DOCUMENT RESUME

ED 106 660 CE 003 858

AUTHOR	Ford, Robert J.; And Others
TITLE	Career Education: Information Packet Revision.
INSTITUTION	Iowa State Dept. of Public Instruction, Des Moines. Educational Media Section.
PUB DATE	Dec 73
NOTE	102p.
EDRS PRICE	MF-$0.76 HC-$5.70 PLUS POSTAGE
DESCRIPTORS	*Abstracts; Annotated Bibliographies; Bibliographies; *Career Education; *Directories; Educational Programs; Elementary Secondary Education; Information Sources; Post Secondary Education; Program Descriptions; Reference Materials; *Resource Guides; Resource Materials; *State Programs
IDENTIFIERS	*Iowa

ABSTRACT

The directory contains abstracts of Educational Resources Information Center (ERIC) documents, a bibliography of resource materials, and a directory of selected Iowa career education offerings. Abstracts of ERIC documents are in the following areas: career education bibliographies; career education as a concept; integrating career education into the curriculum; career education and the administrator; career education and the elementary teacher; career education and the junior high teacher; career education and the high school teacher; career education and the post secondary educator; career education and occupational clusters; career education and the guidance counselor; and career education for special interest groups. The bibliography of resource materials lists additional basic resources in the field. The Iowa directory contains career education project descriptions organized according to: (1) comprehensive career education efforts; (2) career awareness, exploration, and staff development activities; (3) preparatory career education programs; and (4) jointly administered career education programs of exploration and/or preparation. Each listing includes: project title, location, project dates, purpose, and contact person. (NH)

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Career Education

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CAREER EDUCATION

Information Packet Revision

December 1973

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If information is desired on the abstract selection techniques, please contact Kathy Borlin.

F-8506

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I. Abstracts of ERIC Documents

ERIC (Educational Resources Information Center) is a federally sponsored system that indexes educational research information. Duplicate microfiche copies of the documents listed in this section are available from INFORMS.

II. Bibliography of Resource Materials

The materials listed in this section are not available through the ERIC system. Sources for the materials and costs, when available, are given.

III. Directory of Selected Iowa Career Education Offerings

This directory was first published in October, 1973 and presents the career education offerings for the 1973-74 school year.

ABSTRACTS OF

ERIC DOCUMENTS

Sections:

I Career Education Bibliographies

II Career Education as a Concept

III Integrating Career Education into the Curriculum

IV Career Education and the Administrator

V Career Education and the Elementary Teacher

VI Career Education and the Junior High Teacher

VII Career Education and the High School Teacher

VIII Career Education and the Post Secondary Educator

IX Career Education and Occupational Clusters

X Career Education and the Guidance Counselor

XI Career Education for Special Interest Groups

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I---CAREER EDUCATION BIBLIOGRAPHIES

ED073297 VT019081

CAREER EDUCATION: AN ANNOTATED BIBLIOGRAPHY FOR TEACHERS AND CURRICULUM DEVELOPERS.

Beqle, Elsie; And Others

American Institutes for Research in the Behavioral Sciences, Palo Alto, Calif.

Spons Agency-Bureau of Adult, Vocational , and Technical Education (DHEW/OE), Washington, D.C.

Contract-OEC-0-72-4625

Pub Date Jan 73 Ncte-312p.

EDRS Price MF-$0.65 HC-$13.16

Descriptors-*Abstracts/ *Annotated Bibliographies/ *Career Education / *Curriculum Development/ Educational Background/ Instructional Aids/ *Literature Reviews/ Research Projects/ Vocational Development

Identifiers-*Career Awareness

The purpose of this literature review is to assist teachers and curriculum developers in the practical definition and implementation of career education in their respective school systems. As a part of a larger federally-funded career education curriculum development project, this work is beinq carried out by a consortium of eight California school districts and the Palo Alto office of the American Institutes for Research. This annotated bibliography contains overviews for each section, abstracts of 160 literature references that provide a broad perspective of career education theories and activities, descriptive summaries of 100 ccmmonly available children's books for use as a career education resource materials, and summary information on 69 supplementary references. In order to produce a reference handbook of manageable size, selective entries were made. For the children's book, informaticn is provided for appropriate grade levels, related occupaticns, and subject areas, and comments on the career focus are made. (Author/AG)

ED073324 VT019340
ANNOTATED BIBLIOGRAPHY ON CAREER EDUCATION.
Baslyk, Lydia, Comp.
Rhode Island Coll., Providence. Curriculum Resources Center.
Pub Date Feb 73 Note-24p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Abstracts/ *Annotated Bibliographies/ Audiovisual Aids/ Books/ *Career Education/ *Curriculum Development/ Humanities/ *Instructional Materials/ Microfiche/ *Vocational Development/ Vocational Education
Identifiers-Career Awareness
This annotated bibliography on career education provides descriptions of materials available at the Curriculum Resources Center, grouped into these categories: (1) books, (2) cassettes, (3) filmstrip kits, (4) guidebooks for curriculum development, (5) microfiche, (6) multimedia kits, and (7) bibliographies. Each annotation mentions, as appropriate, the topics covered in the document, the purpose of the document, the target audience, local catalog numbers and the type of document. (AG)

ED076830 VT020215
ANNOTATED BIBLIOGRAPHY OF CAREER-RELEVANT LITERATURE AT THE JUNIOR AND SENIOR HIGH SCHOOL LEVEL.
Loheyde, Kathy
New York State Education Dept., Albany. Office of Occupational Education.; State Univ. of New York, Ithaca. Cornell Inst. for Research and Development in Occupational Education.
Report No.-Misc-Pub-73-1
Pub Date Dec 72 Note-36p.
Available from-Instructional Materials Service, Stone Hall, Cornell University, Ithaca, NY 14850 ($2.00)
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Annotated Bibliographies/ *Career Education/ *English Programs/ Junior High School Students/ *Occupational Information/ Occupations/ Secondary Grades/ *Secondary School Teachers
Covering a wide range of occupational areas, this annotated bibliography was developed to assist English teachers in locating appropriate references for their students in the area of career education. Sectional divisions under which entries appear include: (1) junior high school non-fiction, (2) junior high school fiction, (3) senior high school non-fiction, and (4) topical index by profession. (SN)

II---CAREER EDUCATION AS A CONCEPT

ED062573# VT015424
CAREER EDUCATION. WHAT IT IS AND HOW TO DO IT.
Hoyt, Kenneth E.; And Others
Olympus Publishing Co., Salt Lake City, Utah.
Pub Date 72 Note-200p.
Available from-Olympus Publishing Company, 955 East 9th South, Salt Lake City, Utah 84102 ($4.00)
Document Not Available from EDRS.
Descriptors-Adult Education/ Bibliographies/ *Career Education/ Educational Philosophy/ Elementary Grades/ Post Secondary Education/ *Program Development/ *Program Guides/ *Program Planning/ Resource Guides/ Secondary Grades
Identifiers-*Program Implementation

This monograph was begun in the process of preparing "Career Education: A Handbook for Implementation" (available as VT 015 021 in this issue) to accompany a film and slide-tape presentation as the basis for a national series of U.S. Office of Education-sponsored conferences to introduce the career education concept to lay audiences. However, due to its length and because the information was of value to a larger audience, it has been published as a separate monograph. Prepared by leaders in the educational field, the information is designed to provide answers to questions concerning: (1) the nature of career education, including the philosophy behind it and major concepts, components, phases, and issues associated with it, (2) the need for career education, including the relationship between social unrest and lack of emphasis on career education and the achievements and deficiencies in American education, (3) how career education developed and is being implemented in practice, (4) appropriate strategies of implementation for a school system interested in career education, and (5) the potential contribution of career education, including basic changes that will be necessary at all educational levels. A selected bibliography on career education is included. (SB)

ED072273 VT018757

SOCIAL ASPECTS AND CONSIDERATIONS OF CAREER EDUCATION.

Hansen, L. Sunny

Pub Date Oct 72 Note-22p.; Paper presented at the U.S.O.E. Institutes for Curriculum Personnel Development (Ft. Collins, Colorado and Washington, D.C.)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ *Curriculum Development/ Developmental Tasks/ Disadvantaged Youth/ Educational Change/ Educational Problems/ Educational Research/ Elementary Grades/ *Intervention/ Minority Groups/ Secondary Grades/ Self Concept/ *Social Problems/ Speeches/ Vocational Counseling/ *Vocational Development/ Vocational Education

Some social issues and dilemmas contributing to the need to improve our educational system are: (1) changing meanings of work, (2) changing structure and composition of the labor force, (3) problems associated with institutional dropouts, (4) problems associated with separating students into college-bound and employment-bound curriculums, (5) the information deficit dilemma, and (6) special needs of minority and disadvantaged populations. Career education has the potential for unifying the curriculum, better meeting individual and societal needs, and dealing with some of these social, psychological, and economic issues. For the past several years, a group of researchers and graduate students at the University of Minnesota have been conceptualizing a K-12 career development curriculum to facilitate self-development. In the curriculum, which is based on the life stages of Super's career development theory and the developmental tasks associated with those stages, career development is viewed as a process, a part of human development that occurs whether we do anything about it or not. Career education is seen as the teaching and counseling interventions which facilitate that development. Major dimensions of the curriculum and a listing of developmental tasks for various grade levels are included. (SB)

ED074220 VT019408

ESSAYS ON CAREER EDUCATION.

McClure, Larry, Ed.; Buan, Carolyn, Ed.

Northwest Regional Educational Lab., Portland, Oreg.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Contract-OEC-4-7-062871-3059

Pub Date Apr 73 Note-265p.

Available from-Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (S/N 1780-01147, $2.10)

EDRS Price MF-$0.65 HC-$9.87

Descriptors-*Career Education/ Curriculum Development/ Educational Accountability/ Educational Needs/ Educational Opportunities/ Educational Philosophy/ *Educational Responsibility/ *Essays/ Foundations of Education/ *Manpower Development/ Program Development/ *Research Needs/ School Role/ Student Needs/ Vocational Education

This volume contains reactions to the career education concept as proposed by the U.S. Office of Education from a panel of 23 educators, practitioners, businessmen, and students representing such disciplines as anthropology, law, political science, sociology, mathematics, vocational education, psychology, philosophy, and counseling. The Foreword is written by Sidney P. Marland, Jr. Section 1, Laying a Foundation, contains essays dealing with cultural aspects of career education, philosophy, improvement of guidance services, and provision of career education opportunities for women. Section 2, Building a Framework, contains essays concerned with who shall teach career education, career development, dropout prevention, curriculum development, manpower programs, and the role of community and four-year colleges. Section 3, Satisfying the Consumers' Needs, contains essays dealing with problems faced by high school graduates, the commitment of education to society, career education needs of black students, utilizing community resources, and designing career education programs to meet the needs of consumers. Section 4, Redesigning the System, includes essays concerned with pathologies of work, need for competency-based credentialism, accountability and humanism, eliminating barriers separating vocational education from academic subjects, and research needs. (SB)

ED060198 VT014725

A CURRICULUM MODEL FOR FACILITATING CAREER DEVELOPMENT.

Bailey, Larry J.
Southern Illinois Univ., Carbondale. School of Technology.

Spons Agency-Illinois Research and Development Coordinating Unit, Springfield.
Pub Date Mar 71 Note-29p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Career Education/ Career Planning/ *Curriculum Development/ Elementary Grades/ Models/ *Program Design/ Research Projects/ Secondary Grades/ Self Actualization/ Self Concept/ *Vocational Development
Identifiers-Career Awareness

Many career education programs have been criticized because they concentrate on dispensing information instead of developing competencies. Part of this weakness can be traced to the absence of a rationale derived from the body of literature and research and supported by a knowledge of child growth and development. This project was designed to show how knowledge of career development theory and research could be applied to a functional and logically consistent curriculum framework. A suggested outline for career development in Grades 1-8 is presented, which includes: (1) Awareness State: Grades 1-3, (2) Accommodation State: Grades 4-6, and (3) Exploration State: Grades 7-8. Each individual is seen progressing through a number of vocational stages beginning with the formation stage and extending through the transition-implementation stage. (Author/GEB)

ED064502 VT015863

WORKSHOP HANDBOOK: WRITING MEASURABLE OBJECTIVES FOR CAREER EDUCATION.

Illinois State Board of Vocational Education and Rehabilitation, Springfield. Vocational and Technical Education Div.

Note-81p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Behavioral Objectives/ *Career Education/ Guidelines/ *Manuals/ Program Development/ *Techniques/ *Writing Exercises

Designed for use in a 2-day workshop, this handbook explains the advantages of using measurable objectives in career education and includes techniques for writing the objectives. One day (6 hours) should be devoted to the handbook, and a second to writing work sessions. Arranged in outline format, the color-coded handbook incorporates sections on: (1) What Are Measurable Objectives? (2) Why Write Student Performance Objectives? (3) Why Write Program Management Objectives? (4) What Are the Components of a Measurable Objective? and (5) What Are Some Techniques Useful In Writing Measurable Objectives? Included in the appendixes are techniques for job competency identification and procedures for objectives writing. This bulletin was prepared by a Dean of Career Education and an Associate Dean of Curriculum Development at Joliet Junior College, Illinois, and assistance in designing and conducting such a workshop is available from the authors or the Division of Vocational and Technical Education, Illinois. (JS)

ED068670* VT017104

K-12 GUIDE FOR INTEGRATING CAREER DEVELOPMENT INTO LOCAL CURRICULUM.

Drier, Harry N., Jr.

Pub Date 72 Note-265p.; PMM Collection

Available from-Charles A. Jones Publishing Co., 4 Village Green, S. E., Worthington, Ohio 43085

Document Not Available from EDRS.

Descriptors-Bibliographies/ *Career Education/ Curriculum Development/ *Developmental Guidance/ Elementary Grades/ *Guidance Programs/ *Integrated Curriculum/ Occupational Guidance/ Professional Personnel/ *Resource Guides/ Secondary Grades/ Self Concept

This resource guide, a result of 2 years' work on the part of over 500 educators, a state-wide 2-week workshop in Wisconsin, and several committee meetings, has been field-tested in 10 pilot workshops for 290 participants in an effort to help Wisconsin schools promote the concept and programs of career education among the state's school administrators, supervisors, teachers, specialists, and students. Career development concepts, presented by the four levels, primary (K-3), elementary (4-6), junior high school (7-9), and senior high school (10-12) are detailed sequentially with a series of concepts for each matrix cell of the career education model. Directions for evaluating career development programs are given. Extensive lists of resources, arranged by concept and grade level, and lists of publishers in addition to a bibliography for professional reading and a glossary of terms are included.

ED072256 VT018739

INDIVIDUALIZATION OF EDUCATION IN CAREER EDUCATION. FINAL REPORT.

Dunn, James A.; And Others

American Institutes for Research in the Behavioral Sciences, Palo Alto, Calif.

Spons Agency-Far West Lab. for Educational Research and Development, Berkeley, Calif.

Report No.-AIR-28600-6-72

Pub Date Jun 72 Ncte-167p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Career Education/ *Career Planning/ Curriculum Design/ Data Bases/ Decision Making/ Educational Objectives/ Goal Orientation/ Individual Development/ *Individualized Instruction/ *Information Systems/ Instructional Materials/ *Program Development/ Student Ability/ Student Development/ Student Interests/ Teaching Procedures

Individualization of education has been variously defined, from fairly narrow and circumscribed to fairly extensive and comprehensive definitions. The development of a comprehensive procedure for the individualization of education involves consideration of such factors as family/personal, instructional systems, data access, and decision rule factors. In order to be effective, a comprehensive empirically-oriented system for individualized career education must have such attributes as: (1) a cross-indexed set of instructional resources, (2) the identification of the individual student's long-range goals, (3) a bank of data with regard to the individual, his interests, and abilities, (4) a specification of state and local school system requirements, (5) an information system to provide for the confluence of these data, and (6) a set of decision rules whereby educational planning can be effected. Included in this publication are chapters providing: (1) definitions of individualization of education, (2) descriptions of early and contemporary efforts at individualization, and (3) discussions of the attributes of a successful individualized career education program. (SB)

ED073234 VTC18552

DEVELOPMENT OF MODULAR COURSES IN VOCATIONAL CURRICULUM TO FACILITATE INDIVIDUALIZED SCHEDULING TO MEET THE OCCUPATIONAL OBJECTIVES OF EACH STUDENT.

Staber, Richard; Everett, Carl

Central Columbia High School, Bloomsburg, Pa.; Pennsylvania State Dept. of Education, Harrisburg. Bureau of Vocational, Technical, and Continuing Education.

Pub Date 20 Jun 72 Note-38p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ *Curriculum Development/ *Flexible Scheduling/ Goal Orientation/ High School Students/ Individualized Programs/ *Occupational Guidance/ Potential Dropouts/ Resource Materials/ Resource Staff Role/ Semester Division/ Student Centered Curriculum/ *Student Needs/ Vocational Development/ Vocational Interests

Identifiers-*Central Columbia High School

A restructuring of the vocational education curriculum at a rural high school in a consolidated school district was made, in order to ensure student-centered learning geared to student needs, specifically for occupational preparation. Changes made included introduction of semester-length courses. To facilitate the development of individualized schedules for attaining career objectives, a summer workshop included administrators, guidance counselors, a librarian, supervisors, and vocational teachers. Leaders in business and industry were used as resource staff, with semester-length courses and an occupational guidance program as innovative features for flexible modular planning. Parents were consulted about their children's vocational course placements, especially focusing on parents of potential drop-outs. The use of a locally-developed vocational preference card, vocational interest testing, and related evaluative records enabled the staff to select 34 students for admission to an area vocational school, in addition to aiding other students develop vocational interests and capabilities. It was concluded that cooperative work experience is significant, because over 80 percent of the vocational students were permanently employed upon graduation. Extensive program materials are appended. (AG)

ED073325 VT019454

INFUSING CAREER EDUCATION IN THE CURRICULUM.

Pautler, Albert J., Jr.

Note-5p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ Community Involvement/ *Concept Formation/ Conceptual Schemes/ Definitions/ *Educational Development/ Educational Needs/ Fused Curriculum/ *Integrated Curriculum/ Leadership Training/ Program Planning/ *Regional Planning/ School Districts/ Speeches

Identifiers-Career Awareness

The purpose of this paper is to develop a rationale and position on how career education may be infused in the existing curriculum. As a district strategy for curriculum planning, the concept of career education requires a commitment of district leaders. An infusion strategy for career education could be based upon the following principles: (1) Educational leaders must be convinced of career education's value as a conceptual framework, (2) Career education should be integrated into the present curriculum, not treated as a separate additional program, (3) Career education should not be offered as a course, but rather in a unit approach, (4) Every teacher should be a career education teacher, which would require extensive inservice training, (5) Community involvement is an essential part of career education, and (6) Teacher involvement is important in the early planning and curriculum development efforts. (Author/AG)

ED075574 VT019078

PRODUCT EVALUATION AT THE CAREER DEVELOPMENT CENTER. 1971-72 FINAL REPORT.

Krueck, Thomas G.; Denton, William T.
Dallas Independent School District, Tex.

Report No.-R-72-35
Pub Date Jul 72 Note-18p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Career Education/ Flexible Progression/ Instructional Innovation/ Occupational Clusters/ Parent Attitudes/ *Program Attitudes/ *Program Evaluation/ Report Cards/ *Secondary Grades/ Student Attitudes/ Teacher Attitudes/ Vocational Counseling/ *Vocational Development
Identifiers-Dallas/ *Skyline Career Development Center

The Skyline Career Development Center was conceived as an opportunity for upper secondary students in the Dallas school district to accomplish educational goals beyond the conventional curriculum, especially in the area of career education. A flexible curriculum was developed to offer courses not available elsewhere and to enable students to perform at varying levels, terminating at different points in any of the courses. A new report card was designed to report student progress based on individual achievement, allowing a student to compare his growth with his own past performance. Evaluation of the Center during its first year was limited to collecting information on teacher, student, and parent attitudes about various aspects of the program. Attitudes concerning the new forms for reporting student progress showed that the new system was generally well-received by students and parents but that teachers were still opposed to the process, although not the concept. No final study of student progress was prepared due to several record deficiencies. More than three-fourths of the students indicated positive feelings toward classes, career values, and the Center. However, most of the educational clusters had attrition rates higher than 50 percent of the enrollment. Study findings are detailed in the report, with recommendations for improvements in the Center's programs. (MF)

ED076753# VT020083
ELEMENTARY SCHOOL CURRICULUM GUIDE.
Schreiber, Robert W.; Black, Mabell
North Carolina State Univ., Raleigh. Center for Occupational Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Pub Date 73 Note-33p.; Career Education Monograph Number 2
Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607
Document Not Available from EDRS.
Descriptors-*Career Education/ *Curriculum Guides/ Educational Practice/ *Elementary Grades/ *Elementary School Curriculum/ Guidelines/ *Program Development
Identifiers-*Program Implementation

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education this curriculum guide is the second in a series describing current, successful career education practices. Intended for elementary teachers and educators responsible for initiating a career education program at the elementary level, this monograph: (1) points out the need for career education, (2) explains the concept of career education, (3) provides guidelines for initiating career education at the elementary level, (4) lists suggested concepts to be developed in elementary career education, and (5) provides sample lessons, illustrating a means of incorporating career education into the elementary curriculum. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (SB)

ED076754# VT020084

MIDDLE SCHOOL CURRICULUM GUIDE.

Scherer, R. T.; Clary, Joseph R.

North Carolina State Univ., Raleigh. Center for Occupational Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 73 Note-39p.; Career Education Monograph Number 3

Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607

Document Not Available from EDRS.

Descriptors-*Career Education/ *Curriculum Design/ *Curriculum Guides/ Educational Objectives/ Educational Practice/ Learning Activities/ *Middle Schools/ Occupational Clusters/ *Program Development

Identifiers-*Program Implementation

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this curriculum guide is the third in a series describing current, successful career education practices. Intended for teachers in middle schools, this monograph: (1) provides a definition of career education, its components, and application to the middle school, (2) lists seven steps for implementing a middle school career education curriculum and gives a rationale for developing approaches and activities, (3) provides suggestions for teaching-learning activities and evaluation, and (4) discusses and illustrates four approaches to implementing a career education curriculum, including two approaches which center around implementation by subject area, one approach in which content and activities grow out of the major objectives of career education, and another approach which centers around exploration of a number of career clusters. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (SB)

ED076755* VT020085

HIGH SCHOOL CURRICULUM GUIDE.

Hoyt, Kenneth B.; Wellard, G. G.

North Carolina State Univ., Raleigh. Center for Occupational Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 73 Note-47p.; Career Education Monograph Number 4

Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607

Document Not Available from EDRS.

Descriptors-Advisory Committees/ *Career Education/ Cooperative Education/ *Curriculum Guides/ Educational Change/ Educational Objectives/ Educational Practice/ *High School Curriculum/ Job Training/ *Secondary Grades/ Student Organizations/ Student Participation/ Work Experience

Identifiers-*Program Implementation

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this curriculum guide is the fourth in a series describing current, successful career education practices. Intended for high school teachers, this monograph is a guide to the career education concept and the process for implementation in the secondary curriculum. Among the topics discussed are: (1) rationale for career education, including a definition of career education and problems associated with implementing a career education program, (2) 10 processes for implementing a career education program, including such processes as using advisory committees, providing job-related training, using the community as learning space, organizing student clubs, and charting student progress, and (3) necessary changes to ensure successful implementation, such as staff and curriculum changes. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (SB)

ED072291 VT018786
PROBLEMS IN THE ORGANIZATION AND ADMINISTRATION OF CAREER EDUCATION PROGRAMS. BULLETIN, VOL. 16, NO. 1.
Smith, George
Oregon School Study Council, Eugene.
Pub Date Sep 72 Note-27p.; Presentation at the National Conference on Career Education for Professors of Educational Administration (Columbus, Ohio, 1972)
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Administrative Organization/ *Administrative Problems/ *Career Education/ Change Agents/ Community Attitudes/ *Educational Change/ Educational Programs/ Instructional Staff/ Minority Groups/ Principals/ Role Conflict/ Staff Role/ Staff Utilization
Identifiers-*Program Implementation
In this paper, an attempt has been made to define some of the difficulties and concerns which local school district administrators have to deal with in the implementation of a new program--career education. Career education is envisioned as a bold change of great magnitude, and there is a thrust for swift introduction of career education programs in school systems. However, schools usually cannot respond rapidly to needs for renewal or change. Some areas where problems will be encountered in the change process are: (1) interim and task force organizational structures and linkage-related issues, (2) staffing model problems including the difference between utilizing existing staff or recruiting staff, (3) continuity of organizational operations and maintaining expertise roles, (4) role conflict and the problem of alienation of the school principal, (5) teacher issues and teacher groups, and (6) community issues, particularly minority concerns. (SB)

ED073861 24 RC006761

CAREER EDUCATION HANDBOOK FOR RURAL SCHOOL ADMINISTRATORS.

Edington, Everett D.; Conley, Howard K.

New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Bureau No.-BR-6-2469

Contract-OEC-1-6-062469-1574

Pub Date Feb 73 Note-97p.

Available from-Capitol Publications, Inc., Suite G-12, 2430 Pennsylvania Avenue, N.W., Washington, D.C. ($4.00)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Administrator Guides/ *Career Education/ Elementary Schools/ High Schools/ Inservice Education/ Instructional Materials/ Integrated Curriculum/ Job Placement/ Junior High Schools/ *Objectives / *Program Planning/ *Rural Schools/ Skill Development

Career education is defined in this handbook as a comprehensive educational program wherein the student's attention is focused on careers, beginning in grade 1 or earlier and continuing through the adult years. It is noted that the expected outcomes of career education are that every student will develop the competencies necessary for life and for making a living. Implementation of an integrated career education program is described in terms of the administrative plan, curriculum development, instructional development teams, pupil personnel services, the school organizations and activities program, placement services, staff development, community involvement, advisory committees, and evaluation. Three levels of career education programs are discussed: (1) the program designed for the elementary school, which should be developmental; (2) the junior high school program, which is basically explorative; and (3) the high school program, which is built upon the cumulative experiences of the student and which provides opportunities for investigating careers in depth. Lists of career development materials and audiovisual and instructional materials are included, along with copies of suggested resource questionnaires, data card file forms, and letters to be used in developing a career education program. (PS)

ED074255 VT019540

EDUCATION FOR REALITY: IN-SERVICE DESIGN FOR TEACHER ORIENTATION IN CAREER EDUCATION.

Woodall, Thomas E.; Olson, LeVene A.

Marshall Univ., Huntington, W. Va. Dept. of Vocational-Technical Education.

Pub Date .72. Note-59p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ County Programs/ Depressed Areas (Geographic)/ Developmental Programs/ Elementary Grades/ Goal Orientation/ Humanities/ *Inservice Teacher Education/ *Laboratory Training/ Rural Areas/ Secondary Grades/ Sequential Approach/ *Teacher Workshops/ Teaching Methods/ *Team Training/ Vocational Development

Identifiers-Educational Awareness

This federally-funded developmental comprehensive career education program for the elementary and secondary grades in a West Virginia county is intended to provide a model for career education in rural, economically depressed areas. Developed by 34 teachers and principals, a guidance coordinator, and an administrator at a 1-week workshop, the program design includes: (1) career awareness activities for the elementary grades, (2) career orientation in Grades 7 and 8, (3) career exploration in Grades 9 and 10, (4) occupational guidance, counseling, and job placement, and (5) skill development activities for non-vocational students. A sequential approach for implementing this integrated exemplary project was utilized in seven pilot schools. In order to develop problem-solving abilities and allow educators to function as change agents, the workshop used a modified laboratory training approach that focused on the interaction process and task elements of program development. Small group discussions, resource speakers and consultants, team-building, role playing, unit development, and continuous feedback were techniques used to improve the human relations aspect of program development. Daily workshop activities are detailed, and resource materials are appended. (AG)

ED076760* VT020090
INVOLVING THE COMMUNITY IN CAREER EDUCATION.
Isenberg, Robert M.; Smith, Joel
North Carolina State Univ., Raleigh. Center for Occupational Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Pub Date 73 Note-15p.; Career Education Monograph Number 9
Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607
Document Not Available from EDRS.
Descriptors-*Career Education/ *Community Involvement/ *Community Resources/ *Community Services/ Community Support/ Educational Practice/ Educational Resources
Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this booklet is the ninth in a series describing current, successful career education practices. Intended for teachers, this monograph discusses ways in which schools can involve the community in a career education program. Included is a discussion of such community resources as local business establishments, governmental agencies, and civic clubs and how these resources may be used in the instructional program. Other booklets in this series are available as VT 020 082-VT 020 089 in this issue. (SB)

ED076786* VT020141
CAREER EDUCATION IN-SERVICE TRAINING GUIDE.
Keller, Louise J.
General Learning Corp., Morristown, N.J.
Pub Date 72 Note-46p.
Available from-General Learning Corporation, 250 James St., Morristown, New Jersey 07960 (no price quoted)
Document Not Available from EDRS.
Descriptors-*Administrator Guides/ *Career Education/ *Educational Change/ *Educational Development/ Educational Philosophy/ Guidelines/ *Inservice Teacher Education/ Models/ Program Planning
Identifiers-CCEM/ *Comprehensive Career Education Model
The purpose of this guide is to provide background information and suggested procedures to help local administrators in planning and implementing a career education in-service training program. In-service training is perceived in a developmental mode, with the need for long-range planning for change for all education personnel. The document presents the background from which career education has emerged showing the bridge from vocational to career education, a survey of the present state of career education with an overview of and Comprehensive Career Education Model, and suggested developmental stages for implementing career education. The author states that a comprehensive in-service training program based on career education may be the theme to revitalize the total education system. (MF)

ED066605 VT016500
WORLD OF WORK. CAREER AWARENESS DEVELOPMENT PROGRAM FOR THE ELEMENTARY GRADES.
McGinley, Gerry P.
Nevada Univ., Reno. Coll. of Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Pub Date 72 Note-137p.; Revision
EDRS Price MF-$0.65 HC-$6.58
Descriptors-*Career Education/ *Elementary Grades/ *Occupational Information/ Occupations/ *Teaching Guides/ *Vocational Development
Identifiers-Attitude Appreciations/ *Career Awareness/ Economic Awareness/ Self Awareness

This guide contains teaching suggestions and information for teachers' use in a career awareness program for Grades K-6. The activities are designed to develop basic attitudes concerning the importance and functions of work by: (1) arousing curiosity about the world of work, (2) enlarging occupational horizons, (3) answering questions concerning occupations, (4) developing basic concepts, (5) investigating some occupations at greater depth, and (6) developing positive attitudes toward one's self, other people, and work. To meet the objectives of the program, activities and resources are suggested by grade level for concepts, which are introduced in order of difficulty and degree of abstraction. At the earliest grade levels, emphasis is placed on a general understanding that people work for a variety of reasons and that there are a number of workers who produce goods and a number who produce services. By the sixth grade, emphasis is placed on orienting students to the concept of clusters with the intention of providing a lead-in to a cycle of hands-on experiences with many clusters. (SB)

ED068714 VT017255
CAREER EDUCATION IN THE ELEMENTARY SCHOOL.
Peterson, Marla
Pub Date 20 Oct 72 Note-8p.; Presentation at Office of Education Vocational Association (Washington, D. C., October 20, 1972)
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Career Education/ Curriculum Development/ Educational History/ *Educational Theories/ *Elementary Grades/ Enrichment Programs/ Learning Theories/ Models/ Multimedia Instruction/ Occupational Clusters/ Speeches/ *Vocational Development
Identifiers-Eastern Illinois University/ *Project OCCUPAC
The OCCUPAC Project consists of the development of multi-media career education materials, with an emphasis on simulated real-life experiences in the classroom. Existing occupational clustering systems have little meaning for the kindergarten through sixth grade career education curriculum, because they are based on adult logic. A special Child-Developed Clusters Component takes into account that the study of occupational areas in early grades must capitalize on the prior experience and current cognitive development of the children. During the primary grades a career education curriculum should allow for many success experiences with concrete objects that have been selected primarily for their relationship to the prior experience of the child and should also include new experiences. In the past we have often failed to take stock of how children learn, and we now need to focus our resources on developing materials which will help students learn how to become the individuals they want to be and are capable of being. (CD)

ED073254 VT018773
CAREER AWARENESS. A TEACHER'S GUIDE FOR ELEMENTARY GRADES.
Arkansas State Dept. of Education, Little Rock. Div. of Vocational, Technical and Adult Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Pub Date 72 Note-267p.
EDRS Price MF-$0.65 HC-$9.87
Descriptors-Bibliographies/ *Career Education/ Cluster Grouping/ Concept Formation/ *Elementary Grades/ *Humanities/ *Integrated Curriculum/ Learning Activities/ Occupational Information/ Resource Materials/ *Teaching Guides/ Teaching Techniques/ Visual Aids
Identifiers-*Career Awareness
This teaching guide for the elementary grades contains summaries, in a four-column format, of (1) concepts, (2) activities, (3) resources and references, and (4) linking content, for career education activities in the following fields: (a) community industries, (b) agricultural occupations, (c) distributive education, (d) health occupations, (e) business and office occupations, and (f) technical and trade and industrial education. Various bibliographies and resource lists are appended. Developed under the guidance of the Arkansas State Program Planning Section by a group of teachers, counselors, guidance personnel, students and principals, this project was funded through a research grant under Public Law 90-756. Student drawings illustrate the text, which includes a rationale for these integrated career awareness units and numerous job descriptions correlated with the instructional materials. A wide range of teaching techniques is encouraged, including field trips, role-playing, group discussions, and creative activities. (AG)

ED074218 VT019360

CAREER DEVELOPMENT GUIDE FOR THE ELEMENTARY SCHOOL. A GUIDEBOOK FOR TEACHERS AND GUIDANCE COUNSELORS.

Ryan, Charles W.

Maine State Dept. of Education, Augusta. Bureau of Vocational Education.

Pub Date .72. Note-134p.; Second Revised Edition

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Behavioral Objectives/ Bibliographies/ *Career Education/ Elementary Grades/ Evaluation Techniques/ Goal Orientation/ Humanities/ *Integrated Activities/ *Language Arts/ Lesson Plans/ Models/ *Occupational Guidance/ Resource Materials/ *Vocational Development

Identifiers-Career Awareness/ Maine

This instructional guide for integrated career education activities at the elementary level includes a rationale for career development, various models for career development, sample lesson plans, information on leisure activities as related to career development, and a summary of teaching suggestions for career education programs. This document was developed at a teacher workshop by its supervisor, an associate professor of education. Intended for guidelines for teachers and guidance counselors, these instructional outlines will also prove useful for local education agencies and teacher training institutions. These federally funded materials, focusing on language arts communication skills, present extensive sample lesson plans, each with general and specific behavioral objectives, learning activities, and evaluation procedures. Included are extensive appended resource ideas and materials and a bibliography. (AG)

ED075641 VT019959

CAREER MOTIVATION: CURRICULUM GUIDE FOR GRADES K-6. OHIO'S CAREER CONTINUUM.

Ohio State Dept. of Education, Columbus. Div. of Vocational Education.

Pub Date 72 Note-348p.; From a project contracted with The Ohio State University

EDRS Price MF-$0.65 HC-$13.16

Descriptors-*Activity Units/ *Behavioral Objectives/ *Career Education/ Career Opportunities/ *Curriculum Guides/ *Elementary Grades/ Individual Development/ Lesson Plans/ Motivation Techniques/ State Programs/ Student Motivation/ Vocational Development

Identifiers-Career Motivation/ *Ohio

This curriculum guide is for the first phase of Ohio's Career Development Program, the Career Motivation Program for Grades K-6. Intended for use by elementary school teachers in the classroom, the guide is divided into three major parts: Grades K-2, Grades 3-4, and Grades 5-6. Each unit contains developmental objectives, behavioral objectives, activities, and sample lesson. Developmental objectives have been written for the seven broad areas of career development: individual and environment, world of work, self, economics, education and training, employability and work adjustment, and vocational decision-making. The last three areas are for Grades 5-6. Behavioral objectives are written in three main areas to form taxonomies of behavior: cognitive domain, affective domain, and psychomotor domain. Activity levels (experiencing, simulation, vicarious) are integrated into the curriculum in stages. The final outcome of career development activities should be the integration of career education into the total curriculum of the school. Sample lessons drawn from those found successful in elementary school classrooms are suggested for each developmental objective unit. (MF)

ED076831 VT020296

INFUSION MODELS: CAREER EDUCATION IN THE ELEMENTARY SCHOOL.

Deay, Kenneth M.; And Others

New York State Education Dept., Albany. Office of Occupational Education.; State Univ. of New York, Ithaca. Cornell Inst. for Research and Development in Occupational Education.

Report No.-Misc-Pub-73-2

Pub Date Feb 73 Note-59p.

Available from-Instructional Materials Service, Stone Hall, Cornell University, Ithaca, N.Y. 14850 ($2.00)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Behavioral Objectives/ *Career Education/ Concept Teaching/ Elementary Grades/ *Integrated Curriculum/ Models/ *Science Units/ *Social Studies Units

Identifiers-CCEM/ Comprehensive Career Education Model/ *New York State Education Department

The purpose of this publication is to aid elementary teachers in defining and illustrating career education concepts within the framework of the science and social studies curriculums they are teaching. Behavioral objectives were written to connect the subject areas with career education themes. The Center for Vocational and Technical Education at The Ohio State University developed 8 career education elements, composed of 32 themes, which were used to write the six science and six social studies units presented in this document. The career elements are related (in a 3-column format of themes, objectives, and unit content) to the subject content responsibilities of elementary teachers as outlined by the New York State Education Department syllabuses for social studies and science. The models are tentative and are not intended as teaching units but rather to assist in providing direction to teacher task forces in curriculum development. (MF)

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VI---CAREER EDUCATION AND THE JUNIOR HIGH TEACHER

ED065666 VT015594

VOCATIONAL DEVELOPMENT IN GRADES SEVEN, EIGHT AND NINE. A RESOURCE GUIDE INTEGRATING SELECTED VOCATIONAL DEVELOPMENT CONCEPTS WITH EIGHT AREAS OF THE CURRICULUM IN GRADES SEVEN, EIGHT AND NINE.

Mid-Hudson Career Development and Information Center, Beacon, N. Y.; Mid-Hudson Industrial Association.; New York State Dept. of Labor, Albany. Div. of Employment.; New York State Education Dept., Albany.

Report No.-CVTE-000546

Note-367p.; PAES Collection

EDRS Price MF-$0.65 HC-$13.16

Descriptors-*Career Education/ Concept Teaching/ Course Content/ Curriculum Development/ Curriculum Guides/ English/ Grade 7/ Grade 8/ Grade 9/ Home Economics Education/ Humanities/ Industrial Arts/ *Integrated Curriculum/ *Junior High Schools/ Mathematics/ Occupational Guidance/ Physical Education/ *Resource Guides/ Science Curriculum/ Social Studies/ Teaching Techniques/ *Vocational Development

Identifiers-Career Awareness

Developed by representatives from state guidance, education, and employment, this resource guide was designed to facilitate the integration of career education concepts into the curriculum of junior high schools. Recognizing that career development is a life-long process, learning experiences to develop work concepts and attitudes are outlined for: (1) English, (2) mathematics, (3) physical and life sciences, (4) social studies, (5) art, (6) home economics, (7) industrial arts, and (8) physical education. Most of the activities are concerned with development of attitudes and skills associated with vocational awareness, and are designed for teachers who are concerned about, but not necessarily trained in, vocational learning-maturation. Activities emphasize work functions and worker trait components and exposure to relevant concepts, and should be adapted by the teacher and used with other related tools. In addition to identifying concepts to be taught, the guide also outlines content, teaching techniques, and resources. Included in the appendixes are data on classifying occupations. (JS)

ED065687 VT016135

JUNIOR HIGH CAREER GUIDANCE CURRICULUM--STUDENT-CENTERED OCCUPATIONAL PREPARATION AND EXPLORATION (SCOPE). STUDENT WORKBOOK.

Granger, Kolene M.

Utah State Board of Education, Salt Lake City.

Pub Date Jun 72 Note-252p.

Available from-Utah State Board of Education, 1050 University Club Building, 136 East South Temple, Salt Lake City, Utah 84111 ($2.00)

EDRS Price MF-$0.65 HC-$9.87

Descriptors-*Career Education/ Career Planning/ Grade 7/ Grade 8/ Grade 9/ Instructional Materials/ *Junior High Schools/ *Occupational Guidance/ Occupational Information/ Questioning Techniques/ Resource Materials/ Self Concept/ Student Testing/ Visual Aids/ Vocabulary/ *Vocational Development/ *Workbooks/ Worksheets

Identifiers-Career Awareness/ Educational Awareness/ Self Awareness

This tentative student workbook provides occupational guidance for students in Grades 7, 8, and 9 by means of nine units focusing on self appraisal, general educational and vocational awareness, and specific career and school planning. A wide variety of worksheets includes reading materials, tests, vocabulary lists, games, check lists, and resource materials. This manual, written by a teacher with the aid of guidance specialists, is correlated with a curriculum guide, available as VT 016 136 in this issue. (AG)

ED065688 VT016136

JUNIOR HIGH CAREER GUIDANCE CURRICULUM--STUDENT-CENTERED OCCUPATIONAL PREPARATION AND EXPLORATION (SCOPE). TEACHER SUPPLEMENT.

Granger, Kolene M.

Utah State Board of Education, Salt Lake City.

Pub Date Jun 72 Note-333p.

Available from-Utah State Board of Education, 1050 University Club Building, 136 East South Temple, Salt Lake City, Utah 84111 ($2.00)

EDRS Price MF-$0.65 HC-$13.16

Descriptors-Booklists/ *Career Education/ *Curriculum Guides/ Developmental Programs/ Educational Objectives/ Grade 7/ Grade 8/ Grade 9/ *Junior High Schools/ Learning Activities/ Lesson Plans/ *Occupational Guidance/ Occupational Information/ Resource Materials/ Self Concept/ Student Centered Curriculum/ *Vocational Development

Identifiers-Career Awareness/ Educational Awareness/ Self Awareness

This tentative curriculum guide for 9-week occupational guidance classes in Grades 7, 8, and 9 will provide counselors and teachers with lesson plans and resource materials in career education. Directions for use of the guide precede the nine units, which focus on self appraisal, general educational and vocational awareness, and specific career and school planning. For each developmental unit and lesson plan, unit and lesson objectives, prerequisites, materials lists, and learning activities are presented. The extensive appendixes include resource materials, guidance objectives, vocational development theories, an annotated booklist, and occupational information. This guide is correlated with a student workbook, available as VT 016 135 in this issue. (AG)

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ED067469 VT016580

A RESOURCE GUIDE FOR CAREER DEVELOPMENT IN THE JUNIOR HIGH SCHOOL.

Benson, Arland

Minnesota State Dept. of Education, St. Paul. Pupil Personnel Services Section.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Report No.-R-33-A-25

Pub Date 72 Note-222p.

EDRS Price MF-$0.65 HC-$9.87

Descriptors-Behavioral Objectives/ *Career Education/ Community Resources/ *Developmental Programs/ Humanities/ *Junior High School Students/ Learning Activities/ Occupational Guidance/ Program Descriptions/ Program Evaluation/ *Resource Guides/ Student Evaluation / *Vocational Development/ Worksheets

Identifiers-Career Awareness/ Decisions/ Elementary and Secondary Education Act Title III/ ESEA Title III/ Self Awareness

This resource guide for a developmental junior high career education program contains general and specific behavioral objectives, a program description, and a wide range of resource materials, including student and teacher worksheets and evaluation forms. Developed by a junior high counselor and funded by the Elementary Secondary Education Act, Title III, Guidance and Counseling, the unit is three-hole punched for insertion in a ring binder. Learning activities, specific subject area and grade level, and resource lists are presented in a 3-column chart format. An annotated list of films is included. Simulation games and other group activities are provided. (AG)

ED071995 SP005938

CAREER EDUCATION--A HUMANISTIC VIEW (PART 3 OF THE ERIC CLEARINGHOUSE ON TEACHER EDUCATION PROJECT ON CAREER EDUCATION).

Nash, Robert J.; Agne, Russell M.

ERIC Clearinghouse on Teacher Education, Washington, D.C.

Spons Agency-American Association of Colleges for Teacher Education, Washington, D.C.; Association of Teacher Educators, Washington, D.C.; National Education Association, Washington, D.C. Div. of Instruction and Professional Development.

Contract-OEC-0-8-080490-3706(010)

Pub Date Jan 73 Note-29p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Career Choice/ *Career Education/ *Educational Needs/ *Educational Objectives/ Educational Programs/ *Occupational Guidance/ Vocational Education

This monograph examines the career education concept. Four interrelated premises discussed include specialism, sequentialism, fundamentalism, and credentialism. Each premise is presented in light of its functional and dysfunctional role in career education. Suggestions are included which would a) enable career education to enhance the principle of maximum possibilities in education, b) obliterate the distinction between work and leisure, and c) increase career education concern with human services. (MJM)

ED072011 SP006042

PROJECT SCARLETT: A DEMONSTRATION MIDDLE SCHOOL CAREER EXPLORATION PROJECT.

Ann Arbor Public Schools, Mich.

Pub Date 72 Note-33p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Career Choice/ *Career Education/ *Curriculum Design/ *Curriculum Development/ *Experimental Curriculum/ *Middle Schools/ Occupational Choice/ Secondary Education

Identifiers-Ann Arbor/ Michigan/ Scarlett Junior High School

The narrative portion of this report described the middle school career exploration curriculum now in effect for grades 6, 7, and 8 at Scarlett Junior High School, Ann Arbor, Michigan. The major goal of the project was to establish, in a student oriented environment, a balanced learning program to increase student affective and cognitive growth. This growth would then facilitate a transition into a career preparatory curriculum at the high school level. The teaching methodology, as exemplified by the sixth grade model schedule in the report, moved from a departmentalized to an integrated interdisciplinary team teaching approach. The particular cognitive, affective, and psychomotor objectives were listed along with a description of the project's administration. The three classes involved had a combined enrollment of 305; 30% of the expected enrollment. All participating teachers were volunteers. The report provided evaluation objectives, the proposed budget, schedules for the classes and teachers involved, and a statement made by the Ann Arbor Public Schools verifying the legality of the project. (BRB)

ED073318 VT019279

GUIDELINES FOR AN ORIENTATION AND EXPLORATION CAREER EDUCATION PROGRAM IN MIDDLE SCHOOL/JUNIOR HIGH.

Hooks, Vandalyn L.

Pub Date Aug 72 Note-90p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Bibliographies/ *Career Education/ *Guidelines/ *Junior High Schools/ Learning Activities/ *Middle Schools/ Occupational Information/ *Program Development/ Student Needs

Identifiers-*Career Exploration/ Career Orientation

This publication has been compiled to provide educators with information, ideas, examples, and guidelines for establishing or implementing an orientation and exploratory career education program at the middle or junior high school level. Sections of the manual include: (1) a definition of career education and its role, (2) a discussion of the rationale for an orientation and exploratory program and listing of students' needs which should be met by such a program, (3) identification of the essential elements of a career education program and suggestions for implementing a program, (4) a discussion of the importance of behavioral objectives and how to write them, (5) use of community resources, (6) suggested curriculum for learning activities for a career education program, and (7) a bibliography of publications, programs, and materials concerning career education. (SB)

ED075612 VT019878

A SUGGESTIVE RESOURCE UNIT FOR LEVELS SEVEN AND EIGHT USING THE OCCUPATIONAL CLUSTERS IN CAREER ORIENTATION, VOLUME II OF VOLUME I.

Lincoln County Schools, Hamlin, W. Va.

Spons Agency-Bureau of Adult, Vocational, and Technical Education (DHEW/OE), Washington, D.C.

Contract-OEC-0-71-0682(361)

Pub Date 31 Dec 72 Note-129p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Career Education/ *Developmental Programs/ Grade 7/ Grade 8/ Instructional Materials/ Learning Activities/ *Occupational Clusters/ *Occupational Information/ *Resource Units/ Self Concept/ Student Participation/ Teaching Guides

Identifiers-Career Orientation/ Lincoln County Schools/ West Virginia

This resource unit was prepared as guide for career orientation in Grades 7 and 8 to be used by all teachers of all subjects in planning and implementing career orientation activities. The unit is designed to give students a broad knowledge of the characteristics and functions of specific occupations within a spectrum of occupational families. Student participation should be encouraged at this level so that each student will develop a positive self-concept in relation to the many and varied roles within the occupational framework of our economic and social system. Teaching strategies, correlation of subjects, learning activities, resource materials, evaluation techniques, and questionnaires are presented for teacher utilization. More than half of the document consists of a resource bibliography on various types of materials and of a listing of clusters in various occupations as a guide for the classroom teacher. Related documents, available in this issue, are VT 019 862, VT 019 877, and VT 019 879. (MF)

VII---CAREER EDUCATION AND THE HIGH SCHOOL TEACHER

ED064501 VT015820
HANDS ON. A COMPREHENSIVE PROGRAM OF CAREER ORIENTATION FOR HIGH SCHOOL STUDENTS.
Jolly, William W., Ed.
Knox County Dept. of Public Instruction, Knoxville, Tenn. Dept. of Vocational Education.
Report No.-CVTE-000094-X-CCEM
Pub Date 71 Note-246p.; PAES Collection
EDRS Price MF-$0.65 HC-$9.87
Descriptors-*Career Education/ Career Planning/ Developmental Programs/ Educational Objectives/ Educational Philosophy/ *Instructional Materials/ *Learning Activities/ *Manuals/ *Occupational Information/ Secondary Grades/ Skill Development/ Teaching Guides/ Vocational Development/ Vocational Education/ Work Attitudes
Identifiers-Attitude Appreciations/ Career Awareness/ *Occupational Exploration/ Self Awareness
This publication is the completed portion of the high school segment of a comprehensive program for contemporary curriculum design in vocational education. The entire program embraces career development curriculum for Kindergarten through Grade 12 and utilizes extensive teacher-student participation in the development of instructional materials. This document presents completed materials of the planned four major units of: (1) self-awareness, (2) occupational information, (3) work attitudes, and (4) job exploration with hands-on experiences. The first chapter is devoted to a discussion of career orientation including statements of philosophy and objectives. The second chapter includes instructional material for the unit on job exploration with hands-on experiences. Specific topics include: (1) Appliance Service, (2) Auto Industries, (3) Commercial Foods, (4) Health Occupations, (5) Ornamental Horticulture, and (6) Welding. Pertinent questions and answers regarding general occupation information, and illustrated activities are presented for each topic. (GEB)

ED065674 VT015480

HOME ECONOMICS OCCUPATIONS. AN EXPLORATORY UNIT.

Oregon State Board of Education, Salem. Div. of Community Colleges and Career Education.

Pub Date 71 Note-58p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ *Concept Teaching/ Educational Objectives/ Employment Qualifications/ Home Economics Education/ Instructional Materials/ *Occupational Information/ *Resource Units/ Secondary Grades/ Self Concept/ *Teaching Guides/ Teaching Techniques

Identifiers-*Career Exploration

Resulting from a series of workshops for local teachers held in April 1968, this resource unit provides guidelines for teachers who plan to explore the world of work in their programs. Developed for use in Grades 7-10, the unit outlines the teaching of six major concepts: (1) World of Work, (2) Self Concept of Work, (3) Personal Grooming and Health, (4) Requirements for Working, (5) Dual Role of Women, and (6) Home Economics Oriented Occupations. Also included are educational goals and concepts, learning experiences, and generalizations. Appended are a working vocabulary for the unit and sample student reaction forms. (JS)

ED075613 VT019879

RESEARCH MODEL FOR LEVELS NINE AND TEN: LINCOLN COUNTY SCHOOL BASED MODEL FOR CAREER EDUCATION, VOLUME III OF VOLUME I.

Lincoln County Schools, Hamlin, W. Va.

Spons Agency-Bureau of Adult, Vocational, and Technical Education (DHEW/OE), Washington, D.C.

Contract-OEC-0-71-0682(361)

Pub Date 31 Dec 72 Note-197p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Career Education/ Curriculum Development/ *Developmental Programs/ Grade 9/ Grade 10/ Learning Activities/ Occupational Choice/ *Occupational Clusters/ Occupational Information/ *Resource Units/ Self Evaluation/ *Teaching Guides/ Vocational Counseling/ Vocational Development

Identifiers-Career Exploration/ Lincoln County Schools/ West Virginia

This resource unit was written as a guide for career exploration in Grades 9 and 10. Students at these levels need the opportunity to explore their capabilities in a wide variety of occupational situations, and secondary school curriculum should provide occupational experiences to enable them to make realistic occupational choices by gaining an understanding of the aspects of work related to their own personalities and abilities. Included are job interview techniques, employment application information, and the role of counseling and guidance in career exploration. Work opportunities and facilities are explored on field trips. Teaching strategies, learning activities, correlation of subjects, resource materials, evaluation techniques, and questionnaires are presented for teacher utilization. Occupational clusters in various job areas and a resource bibliography are included. Related documents, available in this issue, are VT 019 862, VT 019 877, and VT 019 878. (MF)

ED075650 VT020011

THE ROLE OF INDUSTRIAL ARTS IN CAREER EDUCATION.

American Vocational Association, Washington, D.C.

Pub Date .72. Note-17p.

Available from-Publication Sales, American Vocational Association, 1510 H Street, N.W., Washington, D.C. (Order No. 52372, single copies $.75, quantity discounts)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Articulation (Program)/ *Career Education/ Educational Objectives/ *Industrial Arts/ Industry/ *Integrated Curriculum/ *Occupational Information/ Technology

Experiences relating to industry and opportunities to understand contemporary society are a necessary part of the total development and learning common to all students at all educational levels; hence, career education must be a part of the total school curriculum. The industrial arts program plays a major role in helping students achieve the goals of career education by furnishing opportunities for exploring all facets of industry and their interrelationships. Since occupational information is best assimilated and most meaningful when it is an integral part of the total instructional program, industrial arts at each instructional level must offer content and organization that is articulated consistently with other educational levels and other parts of the total curriculum. Variety in available tools, materials, processes, and products is also an important characteristic of the industrial arts program. Suggested guidelines for selecting topics that can be integrated into the classroom and a student occupational preparation checklist are appended. (Author/SB)

ED065733 VT016481

THE IMPLICATIONS OF CAREER EDUCATION FOR ADULT EDUCATION IN THE UNITED STATES.

Worthington, Robert M.

Spons Agency-United Nations Educational, Scientific, and Cultural Organization, Paris (France).

Pub Date 72 Note-23p.; Presentation at the UNESCO International Conference on Adult Education (3rd, Tokyo, Japan, July 25-August 7, 1972)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Adult Development/ *Adult Education/ *Career Education/ Career Planning/ Educational Programs/ Integrated Curriculum/ *Models/ Speeches/ *Vocational Development

Career education is based on the idea that all educational experiences, curriculum, instruction, and counseling should be geared to preparing each individual for a life of economic independence, personal fulfillment, and an appreciation for the dignity of work. It is a lifelong systematic way of acquainting students with the world of work in their elementary and junior high school years and preparing them in high school and college to enter into and advance in a career field of their own choosing. For adults it is a way to re-enter formal or informal educational programs at any time to upgrade skills or to enter a new career field. Career education consists of five educational levels, beginning in the elementary years with an emphasis on awareness, and proceeding through exploration in the intermediate years, specialized job training and occupational preparation in the secondary and post-secondary years, and continuing personal development and enrichment in the adult years. Currently four models are being utilized by high schools, colleges, employers, and others to adapt the career education concept to their particular needs. These include the school-based, employer-based, rural-residential, and home-community models. (Sb)

ED066610 VT016518

CAREER EDUCATION AND THE COMMUNITY JUNIOR COLLEGE.

Worthington, Robert M.

Pub Date 10 Jan 72 Note-12p.; Presentation at the National Seminar for State Directors of Community-Junior Colleges (Columbus, Ohio, Jan. 10, 1972)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ Career Planning/ *Community Colleges/ *Educational Philosophy/ Employment Opportunities/ Job Training/ *Post Secondary Education/ *Speeches/ *Vocational Development

Career education is a comprehensive educational program which begins in kindergarten and continues through the adult years. The need for developing career competence and awareness starts long before the student reaches the community college age. To effectively reach all populations, career education must be integrated into the curriculum at all educational levels. The elementary and junior high school levels should concentrate on occupational orientation and an awareness of work roles and requirements, while the high school level should prepare for job entry and concurrently for further education. The post-secondary institutions must be designed to fit career aspirations and requirements by providing meaning and purpose to job preparation as well as by preparing some students for education leading to a baccalaureate and perhaps graduate professional preparation. Thus, from kindergarten through post-secondary education, students should receive a myriad of career opportunities and first-hand knowledge from which they will chart the course of their lives. Implications for post-secondary education are discussed. (SB)

ED070820 VT017916

A POLE FOR TECHNICAL EDUCATION IN A CAREER EDUCATION CONTEXT.

Miller, Aaron J.

Pub Date 72 Note-10p.; Presentation at the American Vocational Association Convention (Chicago, Illinois, December 2, 1972)

EDRS Price MF-$0.65 HC-$3.29

Descriptors-Articulation (Program)/ *Career Education/ Career Planning/ Curriculum Development/ Goal Orientation/ *Integrated Curriculum/ *Models/ Occupational Guidance/ Operations Research/ Relevance (Education)/ *Technical Education/ Vocational Development/ *Vocational Education

Mounting concern over the seemingly high drop-out rate among the nation's teenagers, coupled with the inability of many high school students to select satisfying careers upon graduation, have prompted a restructuring of the curriculum around the developmental needs of students. A comprehensive educational program having seven basic operational characteristics, career education begins with the entry of the child into a formal school program and continues into the adult years. Job-related information is integrated into the existing curriculum on all grade levels. The lack of a clear-cut definition of career education other than the operationally adopted one has motivated the initiation of an implementation model for use with the program. To be developed by the Center for Vocational and Technical Education at Ohio State University in conjunction with six school districts, the model when completed will consist of components, systems, and packages field-tested in the cooperating school districts. Implications for technical education within a career education context are: (1) The student entering a post-secondary technical program will be a better prepared, more goal-oriented student; (2) Career choices will have been made from better data and will be based on personal needs, aspirations, and abilities; and (3) Because entering students are better prepared, there should be fewer dropouts, transfers, and failures. (Author/SN)

ED076508 SP006839

CAREER EDUCATION FOR PROSPECTIVE HIGH SCHOOL TEACHERS.

Kiesow, Milton A.

Pub Date .72. Note-15p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Career Education/ *Career Planning/ Goal Orientation/ *Guidance Programs/ Occupational Choice/ *Preservice Education/ *Secondary Education/ Vocational Counseling/ Vocational Development

This article emphasizes the need for preparing preservice students in teacher education for effective participation in the high school classroom and for membership on a guidance team. The article includes a) basic questions used to determine the readiness of students to facilitate career development, b) a professional approach to effective teacher preparation, c) a validation of objectives, d) essential strategies and competencies for prospective high school teachers, and e) a tentative format for an interdisciplinary program involving all students preceding initial certification. Reported is the program's investigation of five areas: a) the meaning of career education, b) the employment market, c) career planning, d) sources of job information, and e) the role of the teacher in providing career guidance for students. Specific activities to accomplish the investigation of these areas are given. Two pages of references are included. (BRB)

ED076756* VT020086

POSTSECONDARY CAREER EDUCATION.

Childers, B. B.; Nichols, Charles

North Carolina State Univ., Raleigh. Center for Occupational Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 73 Note-20p.; Career Education Monograph Number 5

Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607

Document Not Available from EDRS.

Descriptors-*Adult Education/ Career Choice/ *Career Education/ Curriculum Planning/ Educational Practice/ Individual Needs/ *Post Secondary Education/ Retirement/ Teacher Attitudes/ *Teacher Responsibility

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this booklet is the fifth in a series describing current, successful career education practices. Intended for post-secondary educators, this monograph examines: (1) a mandate for teachers to adjust preconceived attitudes to a better knowledge of the students involved and to assume responsibility for planning a curriculum to meet the needs of individuals rather than those of the institution, (2) stages of career education for the post-secondary and adult groups, (3) career modification for these groups, (4) preparation for career enjoyment, and (5) preparation for career termination. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (SB)

BEST COPY AVAILABLE

ED073276 VT018897
COMMUNICATION: OCCUPATIONAL CLUSTER SERIES-5.
Miller, David H., Comp.; Moore, Allen B., Comp.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-National Inst. of Education (DHEW), Washington, D.C.
Pub Date 73 Note-78p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters
Identifiers-*Educational Resources Information Center/ ERIC
This compilation of ERIC abstracts dealing with communication is the fifth in a series that identifies research and instructional materials in selected occupational clusters. Sixty-nine documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with communication. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, and VT 018 898-VT 018 907 in this issue. (AG)

ED073277 VT018898
TRADE (MARKETING): OCCUPATIONAL CLUSTER SERIES-6.
Miller, David H., Comp.; Moore, Allen B., Comp.
Ohio State Univ., Columbus. Center for Vocational and Technical Education.
Spons Agency-National Inst. of Education (DHEW), Washington, D.C.
Pub Date 73 Note-66p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ *Marketing/ Occupational Clusters
Identifiers-*Educational Research Information Center/ ERIC
This compilation of ERIC abstracts dealing with trade is the sixth in a series that identifies research and instructional materials in selected occupational clusters. Fifty-seven documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with trade. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897, and VT 018 899-VT 018 907 in this issue. (AG)

ED073278 VT018899

FINANCE (BANKING): OCCUPATIONAL CLUSTER SERIES-7.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-101p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Abstracts/ *Banking/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with banking is the seventh in a series that identifies research and instructional materials in selected occupational clusters. Ninety-three documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with banking. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897, VT 018 898, and VT 018 900-VT 018 907 in this issue. (AG)

ED073279 VT018900

EDUCATION: OCCUPATIONAL CLUSTER SERIES-8.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-23p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Education/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with education is the eighth in a series that identifies research and instructional materials in selected occupational clusters. Fourteen documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with education. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 899, and VT 018 901-VT 018 907 in this issue. (AG)

ED 073280 VT018901

HEALTH: OCCUPATIONAL CLUSTER SERIES-9.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-89p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ *Health/ Information Systems/ Information Utilization/ Instructional Materials/ Occupational Clusters

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC Abstracts dealing with health is the ninth in a series that identifies research and instructional materials in selected occupational clusters. Seventy-nine documents were identified by means of a computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with health. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 900, VT 018 902-VT 018 907 in this issue. (AG)

ED073281 VT018902

WELFARE: OCCUPATIONAL CLUSTER SERIES-10.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-72p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters/ *Welfare

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with welfare is the 10th in a series that identifies research and instructional materials in selected occupational clusters. Sixty-three documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with welfare. This document is related to 14 other cluster groupings, available as VT 018 790-VT 793, VT 018 897-VT 018 901, and VT 018 903-VT 018 907 in this issue. (AG)

ED073282 VT018903

PERSONAL (HUMAN) SERVICES: OCCUPATIONAL CLUSTER SERIES-11.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-53p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ *Human Services/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with human services is the 11th in a series that identifies research and instructional materials in selected occupational clusters. Forty-four documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with human services. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 902, and VT 018 904-VT 018 907 in this issue. (AG)

ED073283 VT018904

PRODUCT SERVICES: OCCUPATIONAL CLUSTER SERIES-12.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-203p.

EDRS Price MF-$0.67 HC-$9.87

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters/ *Producer Services

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with product services is the 12th in a series that identifies research and instructional materials in selected occupational clusters. Approximately 190 documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with product services. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 903, VT 018 906, and VT 018 907 in this issue. (AG)

ED073284 VT018905

RECREATION AND ENTERTAINMENT: OCCUPATIONAL CLUSTER SERIES-13.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-133p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters/ *Recreation

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with recreation and entertainment is the 13th in a series that identifies research and instructional materials in selected occupational clusters. Approximately 125 documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with recreation and entertainment. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 904, VT 018 906, and VT 018 907 in this issue. (AG)

ED073285 VT018906

MANUFACTURING: OCCUPATIONAL CLUSTER SERIES-14.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-103p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ *Manufacturing/ Occupational Clusters

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with manufacturing is the 14th in a series that identifies research and instructional materials in selected occupational clusters. Ninety-four documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with manufacturing. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793, VT 018 897-VT 018 905, and VT 018 907 in this issue. (AG)

ED073286 VT018907

TRANSPORTATION: OCCUPATIONAL CLUSTER SERIES-15.

Miller, David H., Comp.; Moore, Allen B., Comp.

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C.

Pub Date 73 Note-67p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Abstracts/ *Career Education/ Curriculum Development/ Documentation/ *Educational Research/ Information Systems/ Information Utilization/ *Instructional Materials/ Occupational Clusters/ *Transportation

Identifiers-*Educational Resources Information Center/ ERIC

This compilation of ERIC abstracts dealing with transportation is the 15th in a series that identifies research and instructional materials in selected occupational clusters. Fifty-seven documents were identified by means of computer searches of "Research in Education" from 1967 to December 1972. Instructions on how to use ERIC reference products are included. Intended for use in career education curriculum development, these abstracts include lists of descriptors, identifiers, and other pertinent information about documents in the occupational cluster dealing with transportation. This document is related to 14 other cluster groupings, available as VT 018 790-VT 018 793 and VT 018 897-VT 018 906 in this issue. (AG)

ED070011 CG007640
CAREER GUIDANCE IN SECONDARY EDUCATION.
Willingham, Warren W.; And Others
College Entrance Examination Board, New York, N.Y.
Pub Date 72 Note-71p.
Available from-Publications Order Office, College Entrance Examination Board, Box 592, Princeton, New Jersey 08540 ($2.00)
EDRS Price MF-$0.65 HC Not Available from EDRS.
Descriptors-*Career Education/ *Career Planning/ *Guidance Programs/ Guidance Services/ *Occupational Choice/ *Occupational Guidance/ Secondary Education/ Vocational Counseling/ Vocational Development
A report was written to provide a systematic review of recent developments in secondary school guidance. This review involves: (1) describing trends in how the field is conceived--the dominant ideas, criticisms, and prescriptions for good guidance practice; and (2) describing exemplary guidance materials, projects, and programs now in use or under development--the intellectual tools of the profession and how they are being used in the schools. The report comes in three parts: (1) a narrative summary, (2) a series of charts, and (3) an annotated bibliography. The initial narrative summarizes some of the most important aspects of the charts and some general implications. The charts contain a substantial amount of information compressed into limited space, organized for quick retrieval, and referenced for further inquiry. The authors of this report have restricted their attention to secondary school guidance. It is emphasized that "career guidance" is rapidly becoming the accepted sobriquet for a variety of connected activities. (Author/BW)

ED074239 VT019505
GUIDELINES FOR THE ESTABLISHMENT OF CAREER INFORMATION CENTERS.
Alameda County School Dept., Hayward, Calif.
Pub Date 72 Note-62p.
EDRS Price MF-$0.65 HC-$3.29
Descriptors-Advisory Committees/ Budgeting/ *Career Education/ Educational Facilities/ *Educational Planning/ Evaluation Techniques/ *Guidelines/ *Information Centers/ *Occupational Guidance/ Personnal Needs/ Photographs/ Resource Materials/ Vocational Development
Identifiers-*Career Awareness
These guidelines contain suggestions for the planning and development of a career information center, specifically relating to staffing, budgeting, resource utilization, ordering supplies and equipment, and evaluation procedures. Several photographs illustrate the text, which was developed by a task force of vocational counselors and coordinators at the high school level. Extensive resource materials, focusing on career education and manpower development, are appended. This document is 3-hole punched for easy insertion or removal of pages. (AG)

ED075672* VT020057

CAREER DEVELOPMENT: A CALIFORNIA MODEL FOR CAREER GUIDANCE CURRICULUM K-ADULT. CALIFORNIA PERSONNEL AND GUIDANCE ASSOCIATION MONOGRAPH NUMBER 5.

Cunha, Joseph E., Ed.; And Others

California State Dept. of Education, Sacramento. Bureau of Pupil Personnel Services.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 72 Note-102p.

Available from-California Personnel and Guidance Association, 654 East Commonwealth Avenue, Fullerton, California 92631 (Members, $4.00; others, $5.50)

Document Not Available from EDRS.

Descriptors-Career Choice/ *Career Planning/ Decision Making/ Educational Objectives/ *Guidance Programs/ *Models/ Program Development/ Program Evaluation/ *Vocational Counseling/ *Vocational Development

Identifiers-Program Implementation

A model has been prepared by a task force of educators to serve as a conceptual framework for the development of career guidance programs. The model consists of three major components of career guidance which promote career identity, including: (1) career planning and decision making, (2) education, work, and leisure alternatives, and (3) life styles and personal satisfactions. Within each of the major components of career guidance, basic concepts have been identified along with the developmental level and goal statement amplifying each concept. The concepts represent broad areas of learning content which students need to understand in order to develop work, leisure, and life style satisfactions. In addition to describing the model, this publication contains information and suggestions for: (1) expanding the basic model to develop objectives for a program, (2) implementing a program, and (3) evaluating a program. Sample needs assessment instruments and examples of objectives and outcomes for a career guidance program are appended. (SB)

ED076757 VT020087
CAREER GUIDANCE.
Helling, Cliff E.; Ruff, Eldon
North Carolina State Univ., Raleigh Center for Occupational Education.
Spons Agency-Office of Education (DHEW), Washington, D.C.
Pub Date 73 Note-21p.; Career Education Monograph Number 6
Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607
Document Not Available from EDRS.
Descriptors-*Career Education/ Counseling Services/ Counselor Role/ *Counselors/ Educational Practice/ *Guidance Services/ *Vocational Counseling/ *Vocational Development

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this booklet is the sixth in a series describing current, successful career education practices. Intended for counselors, this monograph has been prepared to show the relationship between career education, career development, and career guidance and to clarify career guidance. Among the topics discussed are: (1) a definition of career guidance, including the relationship of career guidance to career development and the overall concept of career education, (2) the changing role of the counselor and strategies counselors might utilize to bring about self-change, and (3) career guidance practices, including a listing of 12 projects and 101 activities designed to stimulate students to understand themselves, their peers, and the world around them. Sources of additional career guidance materials are appended. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (SB)

ED076758* VT020088

PLACEMENT AND FOLLOW-UP IN CAREER EDUCATION.

Buckingham, Lillian; Lee, Arthur M.

North Carolina State Univ., Raleigh. Center for Occupational Education.

Spons Agency-Office of Education (DHEW), Washington, D.C.

Pub Date 73 Note-39p.; Career Education Monograph 7

Available from-North Carolina State University at Raleigh, Center for Occupational Education, P.O. Box 5096, Raleigh, North Carolina 27607

Document Not Available from EDRS.

Descriptors-*Career Education/ Educational Practice/ *Followup Studies/ *Job Placement/ *Models/ *Vocational Followup

Resulting in part from a project designed to identify and describe comprehensive programs of excellence in career education, this booklet is the seventh in a series describing current, successful career education practices. This monograph presents a model for a placement and follow-up program, which involves the entire professional staff of a school district as well as parents, students, and the community. The first section contains a rationale for placement and follow-up in career education. Following is a discussion of the participants in a placement and follow-up system, and a description of the system. Described are the operations of the placement program while students are still in school and the follow-up program after students leave the institution. Special emphasis is placed on the timing and time sequence of placement and follow-up. The final section deals with variations in the size and location of schools offering career education programs and how their placement and follow-up activities may have to be modified to fit particular situations. Other booklets in this series are available as VT 020 082-VT 020 090 in this issue. (Author/SB)

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ED067990 HE003412
PLANS FOR WIDENING WOMEN'S EDUCATIONAL OPPORTUNITIES.
Koontz, Elizabeth Duncan
Department of Labor, Washington, D. C. Women's Bureau.
Pub Date 13 Mar 72 Note-14p.; Paper presented at the Wingspread Conference on Women's Higher Education: Some Unanswered Questions, Racine, Wisconsin, March 13, 1972
EDRS Price MF-$0.65 HC-$3.29
Descriptors-*Career Education/ Experimental Programs/ *Feminism/ *Higher Education/ *Sex Discrimination/ Special Degree Programs/ *Womens Education
This paper focuses on nonlegal plans for promoting women's educational opportunities and for overcoming institutional and psychological constraints that are discriminatory. The areas covered in this discussion include: continuing education programs; the open university and external degrees; education for "nontraditional professions"; career education; emerging occupations; and attitudinal changes. The author believes that all levels and many aspects of education must be involved if changes are to be made in women's educational opportunities. (Author/CS)

ED070824 VT018015

PROJECT CAREER/CAREER DEVELOPMENT PROCESS FOR THE HANDICAPPED. INTERIM REPORT (JULY 1, 1972-NOVEMBER 15, 1972).

Massachusetts State Dept. of Education, Boston. Div. of Occupational Education.

Spons Agency-Bureau of Adult, Vocational , and Technical Education (DHEW/OE), Washington, D.C.

Pub Date 30 Oct 72 Note-112p.

EDRS Price MF-$0.65 HC-$6.58

Descriptors-Behavioral Objectives/ *Career Education/ *Developmental Programs/ Goal Orientation/ *Handicapped Students/ Inservice Courses/ Integrated Curriculum/ *Interdisciplinary Approach/ Program Descriptions/ Program Evaluation/ Resource Materials/ School Industry Relationship/ State Programs/ *Vocational Development

Identifiers-*Project CAREER

This interim report covers the first phase of Project CAREER, which is a federally funded exemplary project in vocational education focusing on the career development process for the handicapped. An interdisciplinary career education team for each of three local education agencies (LEA's) was established, composed of a special education teacher, a vocational teacher, and an academic teacher. Coordinated by an occupational resource specialist in each LEA, the team's orientation was accomplished at a 1-week summer conference and 4-week workshops in each LEA. Preliminary planning was done for developing a career education resource center and integrated career education curriculums for handicapped students. Behavioral objectives and performance objectives are being developed and examined, a pilot demonstration unit will be presented in October 1972, and community support is being enlisted. Short courses for in-service training and pre-service college courses have been developed. A program evaluation by a third party evaluator, conclusions, recommendations, and a wide range of resource materials are provided. (Illustrations deleted due to marginal legibility.) (AG)

ED072205 VT018541

CAREER EDUCATION PROGRAMS FOR THE DISADVANTAGED. APPENDIX A OF A FINAL REPORT.

Robertson, J. Marvin

Ohio State Univ., Columbus. Center for Vocational and Technical Education.

Spons Agency-National Inst. of Education (DHEW), Washington, D.C. Task Force on Dissemination.

Bureau No.-20269

Grant-OEG-0-72-4355

Pub Date 31 Jan 73 Note-76p.

EDRS Price MF-$0.65 HC-$3.29

Descriptors-*Administrative Personnel/ Annotated Bibliographies/ *Career Education/ *Developmental Programs/ *Disadvantaged Youth/ Literature Reviews/ Pilot Projects/ *Program Descriptions/ Program Evaluation/ School Administration/ Student Characteristics/ Success Factors

Developed as part of a project designed to provide a synthesis of literature and practice relating to the career education of disadvantaged students, this paper, which is intended for administrators of local programs, identifies successful components of career education programs for the disadvantaged. Program descriptions were secured through a search of the literature, a survey of state department of education administrators of special needs programs in vocational education, and contact with other agencies operating career and vocational education programs. In addition, 54 exemplary programs were identified, contact persons interviewed, and selected sites visited for indepth study and on-site evaluation. Among the program components described are: (1) outreach and recruitment activities, (2) orientation of program participants, (3) career awareness and exploration opportunities, (4) basic education, (5) counseling activities, (6) available support services, (7) opportunities for job skill development, and (8) provisions for student placement and follow-up. Major strengths and weaknesses of the programs are summarized, and a listing of the locations, contact person, and brief description of the 54 exemplary career education programs is appended. Related publications are available as VT 018 540-VT 018 544 in this issue. (SB)

ED073306* VT019090
MINORITIES AND CAREER EDUCATION.
Davenport, Lawrence; Petty, Reginald
Pub Date Jan 73 Note-123p.
Available from-ECCA Publications, 2425 North High Street, Columbus, Ohio 43202 ($2.80)
Document Not Available from EDRS.
Descriptors-*Career Education/ Community Colleges/ Counselors/ Counselor Training/ Disadvantaged Youth/ *Educational Change/ Educational Problems/ Equal Opportunities (Jobs)/ Feminism/ *Minority Groups/ *Models/ Public Policy/ Public Schools/ Sex Discrimination/ Teacher Education/ Veterans

This publication explores needed changes in the career preparation and education for minorities and examines the implications of career education emphases for minorities in the U.S. Contents include: (1) "An Overview of Minorities and Career Education" by L. Davenport and R. Petty, (2) "Public Schools, Public Policy, and Public Problems: Some Observations and Suggestions" by R.R. Wheeler, (3) "Career Education: A Tool for the Minority Veteran" by R.L. McKee, K.B. Hoyt, and L. Davenport, (4) "Winners and Losers in the Good Life Contest: Implications of Career Education for Poor Youth" by D. Gottlieb and R. Petty, (5) "Career Education and the Community College" by M. Feldman and L. Davenport, (6) "Career Education for Women: The Feminist Movement in Career Education" by M. Steele, (7) "Counselors, Career Education, and Minorities" by R. Petty and L. Davenport, and (8) "Career Education, Professional Preparation, and Minority Groups" by P. Johnson. (SB)

BIBLIOGRAPHY OF

RESOURCE MATERIALS

Resource materials may be obtained
from the source listed in bibliography.

BIBLIOGRAPHY
of
Resource Material

Abstracts of Exemplary Projects in Vocational Education
United States Department of Health, Education and Welfare, November 1971
Available from: Superintendent of Documents
United States Government Printing Office
Washington, D.C. 20402

Abstracts of Instructional Materials for Career Education
Bibliography Series Number 15, 1972
Available from: The Center for Vocational and Technical Education
1900 Kenny Road
Columbus, Ohio 43210

ALERT: A Sourcebook of Elementary Curricula Programs and Projects
Chapter 3: Career Education
Far West Laboratory for Educational Research and Development
Available from: Superintendent of Documents in the Fall of 1973

Career Education
United States Department of Health, Education and Welfare
Available from: Superintendent of Documents
United States Government Printing Office
Washington, D.C. 20402
Price: $ .20
Stock Number: 1780-0878 Catalog Number: HE5.280:80075

Career Education and the Elementary School Teacher
Kenneth B. Hoyt, Nancy M. Pinson, Darryl Laramore, Garth L. Mangum
Available from: Olympus Publishing Company
Salt Lake City, Utah 84105
Price: $6.95

Career Education, An ERIC Bibliography
Includes citations and abstracts to ERIC documents concerned with the relationship between education and work. Inherent to the concept of career education is the practice of teaching every student about occupations and the economic enterprise in order to increase career options for each individual. Documents cited in this bibliography have been collected by the network of ERIC Clearinghouses, a nationwide information system operated by the National Institute of Education. Each main entry includes complete bibliographic information plus an abstract. Availability of documents, either in hard copy or microfiche, is also listed.
Available from: CCM Information Corporation
866 Third Avenue
New York, New York 10022
Cloth bound: $9.95

Career Education: A Handbook for Implementation

Available from: Superintendent of Documents
United States Government Printing Office
Washington, D.C. 20402
Price: $ .55
Also available as ED 062 521

Career Education: New Approaches to Human Development

Larry J. Bailey and Ronald W. Stadt
Southern Illinois University, Carbondale
Available from: McKnight Publishing Company
Bloomington, Illinois
Price: $8.95

Career Education: The New Frontier

Ralph Ressler, Dade County, Florida, Public Schools
Available from: Educational Properties, Inc.
P. O. Box DX
Irvine, California 92664
Price: $8.95

Career Motivation Program Guide - Grades K-6

Martin W. Essex, Superintendent of Public Instruction
Available from: Ohio Department of Education
Columbus, Ohio 43215

ERIC/Clearinghouse in Career Education

204 Gurler
Northern Illinois University
DaKalb, Illinois 60115
David V. Tiedeman, Director

Iowa Handbook: A Supplement to the State Plan for the Administration of Career Education

State Department of Public Instruction
The Iowa Handbook has been distributed to all Superintendents, Principals, and Vocational Education Teachers. If you do not have a copy of this publication and desire one, please contact the Career Education Division, State Department of Public Instruction.

The National Standard Career Education Model - K-adult

Color Chart, 28" x 22" -- States goals, means of achieving, 50 clusters and graphically shows the elements of Career Education and their relationship to each grade level.
Available from: Educational Properties, Inc.
P. O. Box DX
Irvine, California 92664
Price: $1.95 each for single copies
$1.75 each for 5-9 copies
$1.25 each for 10-24 copies
$ .90 each for 25 or more copies

NCOE, Career Education Communicator

"A List of Sources and Materials on Career Education", volume 1, number 2
Available from: National Center for Occupational Education
P. O. Box 5096
North Carolina State University
Raleigh, North Carolina 27607

1973 Information Analysis Series

Center for Vocational and Technical Education

Made up of 28 publications relating to vocational, technical, practical arts and career education.

Some publications included are:

Review and Analysis of Instructional Performance Objectives in Vocational Education, by David Allen.

The Meaning and Value of Work, by H.C. Kazanas, et al.

A Guide for Local Program Evaluation, by Richard Edsall.

Articulation of Secondary and Post-Secondary Occupational Education Programs, by Louis Bender.

Career Cluster Concepts, by Nevin Frantz.

Career Education: Communicating the Concept, by Paul Schroeder.

Career Education: The Marine Science Occupations Cluster, by Maxwell Farning.

Career Education: The Leisure Occupations Cluster, by Peter Verhoven and Dennis Vinton.

Career Education: The Agribusiness and Natural Resources Occupational Cluster, by Jasper Lee.

Career Education: Information Resources, by Jake Huber.

Career Education: Teacher's Responsibilities, by L. Sunny Hansen.

Career Education: Local Administration of Programs, by George Smith.

Career Education: Leadership Roles, by Lowell Burkett.

Available from: The Center for Vocational and Technical Education
Product Utilization Section
Ohio State University
1960 Kenny Road
Columbus, Ohio 43210

Price: $56.00 Entire Information Series - 28 books
$20.00 Vocational/Technical/Practical Arts Set - 10 books
$36.00 Career Education Set - 18 books

DIRECTORY OF SELECTED IOWA CAREER EDUCATION OFFERINGS

October 17, 1973

State of Iowa
DEPARTMENT OF PUBLIC INSTRUCTION
Career Education Division
Grimes State Office Building
Des Moines, Iowa 50319

The purpose of this document is to provide information identifying the location of and approaches followed by several educational agencies implementing career education program services and activities in Iowa. The list of projects as noted herein are those approved and funded by the State Board of Public Instruction.

These programs, services and activities represent the efforts of various educational agencies to incorporate the concepts of career education into their educational programs. Such efforts have provided demonstrative, pilot and exemplary efforts. These same efforts may be of assistance to other educational agencies in their search for procedures to design and implement career education programs for the youth which they serve.

Although this document lists the majority of the Career Education projects now underway, it does not include the many efforts which are being promoted with resources other than those provided by the Iowa State Department of Public Instruction.

Should any agency or individual desire more information regarding the projects listed in this document, they may contact:

W. O. Schuermann, Director
Career Education Division
Department of Public Instruction
Grimes State Office Building
Des Moines, IA 50319

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PART 1

COMPREHENSIVE CAREER EDUCATION EFFORTS

PROJECT TITLE: Iowa Project, Models for Precareer Education in Iowa

LOCATION: Iowa State University, Ames, Iowa. Nine participating school districts: Calmar, Carroll, Davenport, Humboldt, Marshalltown, Osceola, Sheldon, Shenandoan, and Springville.

PROJECT DATES: March 1, 1971 - February 18, 1974

PURPOSE: To establish procedures and practices for conducting K-8 precareer education programs, outline and describe program models that can be used to implement such programs in schools of different sizes, establish and conduct K-8 precareer programs in nine selected Iowa schools and establish similar programs in other schools in the state as a result of the procedures demonstrated.

CONTACT PERSON:
Dr. Alan B. Kahler
Project Director
220 Curtiss Hall
Iowa State University
Ames, Iowa 50010

Schools	Contact person
Calmar	Mr. Loren Englund, Superintendent South Winneshiek Community School District Calmar, Iowa 52132
Carroll	Mr. Allen Stroh, Superintendent Carroll Community School District 1026 North Adams Carroll, Iowa 51401
Davenport	Dr. Lee Grebner, Superintendent Davenport Community School District 1001 Harrison Street Davenport, Iowa 52803
Humboldt	Mr. Wesley Carlson, Superintendent Humboldt Community School District 900 Sumner Avenue Humboldt, Iowa 50548
Marshalltown	Mr. Robert McFarland, Superintendent Marshalltown Community School District 317 Columbus Drive Marshalltown, Iowa 50158
Osceola	Mr. Ron Riekena, Superintendent Clarke Community School District 800 North Jackson Osceola, Iowa 50213

Sheldon — Mr. Jerry Peterson, Superintendent
Sheldon Community School District
1700 Fourth Street
Sheldon, Iowa 51201

Shenandoah — Mr. Kenneth W. Sand, Superintendent
Shenandoah Community School District
West Nishna Road
Shenandoah, Iowa 51601

Springville — Mr. Dean Penney, Superintendent
Springville Community School District
Springville, Iowa 52336

****

PROJECT TITLE: Comprehensive Career Curriculum

LOCATION: Des Moines Independent Community School District

PROJECT DATES: July 1, 1973 - June 30, 1976

PURPOSES:

Elementary School (K-6)
To develop career and self awareness of all school pupils by the establishment of certain program objectives. Activities then will be provided which will accomplish these objectives for all elementary school pupils.

Junior High School (7-9)
The junior high school staffs will develop a "world of ...." program for each of the fifteen occupational clusters as described by the U.S. Office of Education. Each student at this level will have the opportunity to explore several of the fifteen cluster areas. Work experience programs will be developed and/or expanded as possible throughout the duration of the project.

Senior High (10-12)
It is anticipated that through modification of present high school courses all students will participate in in-depth exploration of sub-clusters within the fifteen USOE clusters.

Skill development will be attained through laboratory and/or cooperative work experience with the possibility of additional experiences at Des Moines Technical High School on a part or full-time basis.

Career experiences outside the schools will be either volunteer or paid arrangements, with the school system coordinating its efforts with the part-time work.

Additional programs will be made available at Des Moines Technical High School and all programs will be made more available to other Des Moines districts.

CONTACT PERSON: Mr. Richard Gabriel, Coordinator
Vocational and Technical Education
1800 Grand Avenue
Des Moines, Iowa 50307

****

PROJECT TITLE: Area-Wide Project for Occupational Orientation, Exploration, Counseling, Job Training, and Job Placement for Elementary and Secondary Students.

LOCATION: Pottawattamie County

PROJECT DATES: April 1, 1970 to March 31, 1973

PURPOSE: The objectives of this project for elementary and secondary boys and girls, are as follows: to assist the schools in an eight county area to develop a continuing plan; to create awareness of opportunities in the world of work, and understanding within individuals of particular capabilities, strenghts, and interests; to enhance feelings of personal self-worth in individuals; to develop skills necessary in work situations, personal characteristics which aid in securing and maintaining employment, and awareness of the agencies and organizations which are available to assist persons seeking employment; and to facilitate effective placement.

The project will contribute to the improvement of vocational-technical education through: increasing awareness of youth and their motivation toward vocational-technical areas for training; verifying the interests and aptitudes of prospective vocational students; and increasing the awareness and skillful participation of persons in the schools, community, and business, in making youth aware of the possibilities and rewards of preparing for the world of work; therefore: increasing the economy and effectiveness of operating vocational-technical programs; increasing the number of students who will eventually enroll; increasing the number of qualified entry-level workers produced; and increasing the percentage of high school graduates who directly enter jobs and/or post-secondary vocational-technical training.

CONTACT PERSON: Mr. Earl Winters, Director of Project
The Halverson Center for Education
Route 1
Council Bluffs, Iowa 51501

PART II

CAREER AWARENESS AND EXPLORATION AND STAFF DEVELOPMENT ACTIVITIES

PROJECT TITLE: Pre-Career and Career Orientation, Planning and Development K-12

LOCATION: Keokuk Community School District

PROJECT DATES: June 19, 1972 - June 30, 1973

PURPOSE: This project is designed to expand existing programs and define practices started, but not yet completed, that are essential to the development of a coordinated K-12 thrust in vocational exploration, development, and resulting job placement.

The overall emphasis of this effort would be to show evidence of more self-understanding of goals, aspirations, and needs by correlating school achievement, I.Q. and achievement test scores, self-esteem inventories, lists of interests, aptitude test results, with the information about the world of work. Further development of the attitude of staff toward actively developing a system of career education throughout the curriculum will also be emphasized.

CONTACT PERSON: R. F. Leland, Superintendent
Keokuk Community School District
Box 128
Keokuk, Iowa 52632

* *

PROJECT TITLE: Elementary Career Clinic

LOCATION: Red Oak Community School District
Red Oak, Iowa

PROJECT DATES: May 20, 1972 - July 1, 1972

PURPOSE: To develop and implement a pre-career education program as an integral part of the curriculum, to develop a systematic approach to teaching career concepts which will allow students in grades 3-6 to become aware of the world of work and to prepare for it, to prevent duplication of student activities between grade levels so that a comprehensive coordinated program can be implemented, to develop a list of 50 general occupations with job descriptions on which we will continue to concentrate, to make learning experiences compatible with the curriculum, to list 20 or more occupations including training requirements common to the Red Oak community, to develop 10 activity packets, to develop good community relations whereby the community, teachers, and students can work together.

CONTACT PERSON: Dr. Ransom W. Fisher, Superintendent
Red Oak Community School District
408 Coolbaught Street
Red Oak, Iowa 51566

PROJECT TITLE: Development of Sequential Program to Increase Occupational Awareness in Grades K-12

LOCATION: Iowa City Community School District

PROJECT DATES: July 1, 1972 - June 30, 1973

PURPOSE: The first year's efforts were limited to two elementary schools and three junior high schools. The project was deemed effective in (a) expanding the students' awareness about the world of work; (b) helping students attain a greater awareness of self and community; and (c) gaining respect and appreciation for areas of work in the community, and changing the attitudes of some staff (teachers, counselors, and administrators) toward actively developing a system-wide approach to career development. The project for 1972-73 proposes to extend the scope of occupational awareness activities to all students in grades K-12 through:

Elementary - Expanding the program at the elementary level from 2 to 16 schools through an extensive inservice program. Two teachers from each of the 14 schools (one at the lower level and one at the upper elementary level) will participate in workshop settings. In addition, the "Occupational Awareness" booklet will be updated based on 1971-72 evaluation. The staff of all sixteen elementary schools will during the school year use films, filmstrips and books on careers, provide classroom visits by resource persons from business and industry, field trips to places of work and student created projects.

Junior High - Providing continuity between the elementary approach and secondary approach to the study of occupations by developing resource units to complement 7th and 8th-grade curriculum offerings in the activity approach.
Investigation of community-school activities which would provide actual work setting experiences such as Junior Achievement for all interested secondary students.
Updating data about audio and visual resources in Iowa City and at the Joint County School Systems in Cedar Rapids to revise the booklet "Occupational Information". Exploration in greater depth of the offerings of local area schools, including the pre-career offerings of Kirkwood Community College, and development of a program for student investigation of their curriculum.
Improvement of the speaker and visitation program.

Senior High - Extending the scope of occupational awareness into the senior high school and developing a sequential program utilizing the activity approach to be integrated into curricular offerings through the development of resource materials.

CONTACT PERSON: Dr. Merle Harding
Iowa City Community School District
1040 William Street
Iowa City, Iowa 52240

PROJECT TITLE: Mini-Grant Pre-career K-9

LOCATION: West Des Moines Community Schools
West Des Moines, Iowa

PROJECT DATES: June 5, 1972 to July 1, 1973

PURPOSE: To provide a learning environment in the district which causes an interlocking of vocational and academic approaches based upon the needs of learners. The goal will be to provide for self-development of the learner by assisting students in the clarification of their values, interests, abilities, and motivations. The program to be developed will emphasize the social significance of all work and will attempt to help the student become aware of opportunities while keeping as many options open as possible.

CONTACT PERSON: Melvin L. Antrim
Director of Elementary Education
West Des Moines Community School District
612 Walnut Street
West Des Moines, Iowa 50265

* *

PROJECT TITLE: Career Development Focused Upon Elementary Education for a Relevant Supplement Toward the World of Work

LOCATION: Sioux City Community Schools
Sioux City, Iowa

PROJECT DATES: June 5, 1972 to June 30, 1973

PURPOSE: To help promote the self image of students and to assist students to realistically perform some self evaluation, to make school a more human and meaningful experience and in turn develop greater student interest and motivation, to utilize the motivational factors to reduce the percentage of dropouts and discipline problems, to create an awareness of the world of work so that individuals will be better able to choose career options when the appropriate time arises.

CONTACT PERSON: Walt Kokjohn
Director of Pre-career Education
Sioux City Community Schools
1221 Pierce Street
Sioux City, Iowa 51105

PROJECT TITLE: Youth Employment Program

LOCATION: Des Moines Community School District

PROJECTS DATES: July 1, 1972 - June 30, 1973

PURPOSE: This project is designed to establish a Youth Employment Program for the city of Des Moines. This program is an expansion of the previously established Career Placement Center which was established to provide an employment service to high school youth of the Des Moines area. The center was to begin functioning at Des Moines Tech High School, and over a period of three years, phase into a city-wide operation. The Career Placement Center at Des Moines Tech will be the central coordinating office for the city Youth Employment Program. The Des Moines Public Schools will provide six satellite centers during the summer and eighteen centers during the balance of the year. Youth may register at any satellite center for full time, regular part-time employment and temporary summer employment. Copies of these applications will be on file at the Career Placement Center and all applicants will receive equal consideration regardless of the intake satellite center. The Youth Employment Program will receive all youth between the ages of 14 and 21. These youth can be student and non-student.

CONTACT PERSON: Mr. Robert Ball
Des Moines Independent School District
1800 Grand Avenue
Des Moines, Iowa 50307

* *

PROJECT TITLE: Career Student Interest Survey

LOCATION: Des Moines Community School District

PROJECTS DATES: July 1, 1972 - June 30, 1973

PURPOSE: This project proposes the development and administration of a career student interest survey to all the 7-8-9-10-11-12 grades in the Des Moines Community School District. The development and administration of this survey instrument is being conducted jointly with the Mid-Iowa Council of the Boy Scouts of America, Des Moines Community Schools, and the Polk County Board of Education. The development of this instrument and approach to the assessment of student career interests may have statewide implications due to the indicated verbal and financial commitment made by the Mid-Iowa Council of the Boy Scouts of America.

CONTACT PERSON: Ms. Ione Baal
Des Moines Independent School District
1800 Grand Avenue
Des Moines, Iowa 50307

PROJECT TITLE: Project Discovery - Red Oak

LOCATION: Red Oak

LENGTH OF PROJECT: 12 months

OBJECTIVES:

Develop career exploration packages.

Field test exploration packages by means of student and teacher feedback.

Revise career exploration packages on the basis of feedback.

Develop alternate means for implementing career exploration within the school.

PROJECT CHARACTERISTICS:

Exploration activities are originally devised by people working in the field.

Exploration activities are cartooned and rewritten by professionals for use with students (11 different school districts).

Student and teacher activity books and most necessary materials are provided in each exploratory package.

Package development follows the structure outlined by the U.S.O.E. guidelines on occupational clusters.

Packages are being revised on the basis of teacher and pupil feedback.

CONTACT PERSON:

Mr. Roy Bastian, Project Director
Southwest Iowa Learning Resources Center
401 Reed Street
Red Oak, Iowa 51566

PROJECT TITLE: IOWAscript

LOCATION: Des Moines Area Community College
Ankeny, Iowa

PROJECT DATES: March 1, 1971 to March 1, 1974

PURPOSE: To investigate, prepare and distribute to schools career descriptions and information dealing with vocational opportunities in the locale, to provide in-service training for guidance counselors and staff to enable implementation of the materials and to assist students in locating, evaluating and using career information and to evaluate the effectiveness of the resources and services used in this project.

CONTACT PERSON: Eldon Bergstrom
Director of IOWAscript
Des Moines Area Community College
2006 Ankeny Boulevard
Ankeny, Iowa 50021

* *

PROJECT TITLE: Phase I Elementary Career Education

LOCATION: Des Moines Independent Community Schools
Des Moines, Iowa

PROJECT DATES: August 28, 1972 to July, 1973

PURPOSE: Develop within the teachers and administrators of the project schools an understanding of career education, discuss the survey results of what is presently being done in career education at the elementary level in the Des Moines Schools, using the survey as a bench mark, the teachers at the workshop will develop specific behavioral objectives at each grade level, the behavioral objectives will provide, for the students, vertical growth as well as provide the means for a coordinated program within the eight project schools. Materials used and available will be reviewed, teachers will participate in selected activities that could be utilized in their teaching. Each individual school and instructor will develop activities to meet these objectives.

CONTACT PERSON: James E. Bowman
Director of Elementary Education
Des Moines Independent Community Schools
1800 Grand Avenue
Des Moines, Iowa 50307

PROJECT TITLE: Career Orientation Planning and Development 7-12

LOCATION: Keokuk Community School District

PROJECT DATES: July 1, 1973 - June 30, 1974

PURPOSE: This project is designed to finalize a three year planning and implementation effort of a coordinated K-12 thrust in vocational exploration, development, and resulting job placement. The final year of this project will involve concentration only on activities for secondary teachers, counselors, and administrators which should complete the overall development of a coordinated K-12 thrust in career development.

Further concentration of the attitude of staff toward actively implementating a system of career education throughout the curriculum will continue to be emphasized.

CONTACT PERSON: R. F. Leland
Keokuk Community School District
Keokuk, Iowa 52632

* *

PROJECT TITLE: Unifying a Career Development Theme in the Curriculum Through Teacher In-Service Activities

LOCATION: Mason City Community School District

PROJECT DATES: July 1, 1973 - June 30, 1974

PURPOSE: This project is designed to finalize a three year effort in the implementation of Vocational Exploration In-Service Training Workshops. These workshops are designed to facilitate changing attitudes toward the world of work among educators. Vocational Exploration In-Service Training Workshops will be conducted during the summer, with follow-up workshops and activities during the school year and will enroll secondary teachers, counselors, and administrators.

A series of training workshops for other school districts interested in becoming familiar with and learning how to develop an orientation program and related activities for staff will be developed in this final year. It is anticipated that each workshop will involve several schools which would make use of a team of three or four people with the intent of giving the school district team the background, materials, and training necessary to begin programs in their respective districts.

Reports and materials that are developed in the final year of this project will be placed on file with the Department of Public Instruction and with the Area II Media Center. Informational requests will be granted to other school districts, groups, or associations having concern with this emphasis in education and all means will be used which will tend to facilitate dissemination of this information.

CONTACT PERSON: Gary Henrichs
Mason City Community School District
Mason City, Iowa 50401

PROJECT TITLE: Employment Based Model for a Pre-Career Counseling Program for Educable Mentally Retarded Work-Study Students

LOCATION: Des Moines

LENGTH OF PROJECT: 3 years

OBJECTIVES: Develop and use an employment based model to determine the social-psychological needs that are important for success in employment, and develop methods and techniques for counselors to use in dealing with these needs in working with students.

Develop and demonstrate methods and techniques that can be used by counselors, work-study coordinators, and others in Iowa secondary schools to prepare and develop mentally retarded and other low ability level students for the social-psychological aspects of careers.

Establish and conduct one or more exemplary programs in a selected setting utilizing these techniques.

Prepare guidelines, manuals, and audio-visual presentations and conduct training sessions in order to encourage the establishment of similar programs in other Iowa secondary schools as a result of the procedures developed and demonstrated in this project.

PROJECT CHARACTERISTICS: The project is set up in three phases: (1) the development of an employment-based model for counseling (2) the reorganization of social-psychological techniques applied in pre-career development and (3) the establishment of an exemplary program. Completion dates on the phases are September 1, 1973 (Phase I); June 15, 1974 (Phase II); July 1, 1975 (Phase III).

CONTACT PERSON: Mr. Jack Cook, Director
College of Education
Drake University
Des Moines, Iowa 50311
Phone: 515-271-3868

PROJECT TITLE: Exploratory and Innovative Career Education

LOCATION: Ottumwa

LENGTH OF PROJECT: 36 weeks

OBJECTIVES: To provide an adjusted academic program for disadvantaged students.

To provide vocationally oriented classes.

To provide opportunities for part-time work experience within the schools.

PROJECT CHARACTERISTICS: Provides career related instructional activities and work experience for disadvantaged high school students.

Program is operational in two schools in Ottumwa.

Students attend regular classes of interest to them as well as the career related classes. They participate in part-time work in the school building.

CONTACT PERSON: Dr. William R. Dabb, Superintendent
Ottumwa Community School District
205 East Fifth Street
Ottumwa, Iowa 52501

* *

PROJECT TITLE: Career Information, Exploration, and Specialization

LOCATION: New Providence Community School District

PROJECT DATES: August 1973 - May 1974

PURPOSE: This project is designed to implement career information into the existing curriculum in grades seven through twelve. Career information will be implemented via outlines, booklets, books, speakers and field trips. The exploration component will involve personal contacts with students and personnel in work settings. The specialization component relates primarily to a student's decision as to a definite plan of action upon leaving school. The student's decision is to be based upon more information about self and the changing environment than would be evident without this curriculum emphasis in career development.

CONTACT PERSON: Joseph Staebell
New Providence Community School District
New Providence, Iowa 50206

PROJECT TITLE: Special Services for Disadvantaged Students

LOCATION: McGregor

LENGTH OF PROJECT: 36 weeks

OBJECTIVES: To organize classes in industrial arts, home economics, and business education which relate to career areas.

To provide career exploration and work experience for pupils who are potential dropouts.

PROJECT CHARACTERISTICS: Provides disadvantaged students with the opportunity to experience career oriented courses and related work training in the broad areas of industrial arts, business education, and home economics.

Offered to students 16-19 years of age.

Non-certified persons (industrial relators) are utilized in the Industrial Arts area to expand program concepts and in the work experience program to coordinate the work experience program.

CONTACT PERSON: Mr. Guy W. Ghan, Superintendent
Mar-Mac Community School District
McGregor, Iowa 52157

* *

PROJECT TITLE: Career Evaluation - Graflex

LOCATION: Council Bluffs

LENGTH OF PROJECT: 52 weeks

OBJECTIVES: To assess the career potential of senior high school students in special education programs located in Pottawattamie, Shelby, Cass, and Harrison County.

To assist teachers adjust curriculum to meet the needs of youngsters as determined during or after evaluation.

PROJECT CHARACTERISTICS: The Linger Graflex Work Sampler Evaluation Units have been placed in a mobile unit. The unit is scheduled and located at different schools in four counties throughout the year. All seniors in programs for slow learners are evaluated before juniors and sophomores are scheduled.

CONTACE PERSON: Mr. Gene Landers
Halverson Center for Education
Route 1
Council Bluffs, Iowa 51501

PROJECT TITLE: Algona Self Development Program

LOCATION: Algona Community School District

PROJECT DATES: August 1972 - May 1973

PURPOSE: To assist students to learn how to live a meaningful and useful life, and how to make a living through career awareness experiences. Teachers will be motivated to change subject content, teaching methods, resource materials, and to shift their emphasis from a subject-centered approach to a student-centered approach involving self-awareness and knowledge of the world of work. Potential outcomes of this project are: 1) to make every student feel that he is a worthwhile person - capable of becoming a productive citizen and living a useful and meaningful life; 2) to change teacher attitudes regarding student needs and preparing teachers to more effectively recognize and deal with student emotional and social deficiencies; 3) to cause teachers to become more aware of the business and industrial community and thereby make necessary revisions in their course offerings that would make them more relevant to the world of work and student needs; and 4) to alter the curriculum and the structure of the system to more nearly meet the needs of all kids. Presently, schools are primarily college prep institutions that tend to reward only the academically and athletically talented or approximately 20 percent of the student body.

CONTACT PERSON: Mr. Jim Andersen
Algona Community School District
East Elm Street
Algona, Iowa 50511

* *

PROJECT TITLE: Career Exploration and Development-Curriculum

LOCATION: Central Clayton Community School District

PROJECT DATES: June 1, 1972 - May 31, 1973

PURPOSE: This project will focus on the development of learning experiences that will help the student develop a more positive self-concept in relationship to more knowledge about the world of work. It is hoped that education will become more relevant to life for all students, not just a few, by better preparing students so they can enter useful and gainful employment which is correlated with their aptitudes and aspirations. This project is developed for a three-year period with emphasis being placed on the last two years for inservice activities being provided by the staff of Central Clayton Community to five other school districts in Clayton County. Letters of commitment by the five superintendents in Clayton County have been received which indicates their interest in the development of local inservice programs around the career exploration and development curriculum materials that will be developed by the staff of Central Clayton Community.
Funding for the second and third years of this effort, which will provide for county inservice programs, will be contingent upon not only the success of the Central Clayton Community's career development concepts and activities in grades K-12, but also upon the availability of funds.

CONTACT PERSON: Mr. Harlan Strampe
Central Clayton Community School District
Elkader, Iowa 52043

PROJECT TITLE: Entry Employment Positions (EEP)

LOCATION: Benton Community School District - Van Horne

PROJECT DATES: July, 1973 - June 4, 1974

PURPOSE: Entry Employment Positions (EEP) is a career development project designed to inform rural students of urban entry employment opportunities in and around metropolitan Cedar Rapids. Slide presentations will be produced on approximately twelve companies in the Cedar Rapids area that indicate personnel needs in entry employment positions for secondary student graduates.

Individual companies will also benefit by having students apply who are knowledgeable about their company and its opportunities.

Counselors shall use these presentations in occupational planning and placement of students in the world of work. In addition to placement of students, students will gain a better understanding of the specifics that employers look for in hiring. Employers will also have the opportunity to record on tape the things they look for and evaluate when interviewing prospective employees.

CONTACT PERSON: Robert Eldridge
Benton Community School District
Van Horne, Iowa 52346

* *

PROJECT TITLE: Implementation of Career Education Concepts in a Unified Curriculum System for Grades 7-12

LOCATION: Cedar Falls Community School District

PROJECT DATES: August 20, 1973 - June 30, 1974

PURPOSE: This project is designed to expand an activity that was started during the 1972-73 school year. Activities were implemented during last school year - 2nd semester that involved clarification of ideology concerning career education. A working model was developed that involved goals, objectives and activities around the basic elements delineated in the "National Standard Career Education Models". This approach to implementation of career development concepts into the curriculum was agreed upon by a Central Advisory Committee representing the board of education, the central administration, the teachers, guidance personnel, higher education, business, industry, labor employment service, chamber of commerce, and the PTA.

Emphasis will be primarily given this year to the secondary school staffs' development of activities around the same elements of career education that was delineated by the elementary school staff. The expected outcome will be a K-12 coordinated curriculum emphasis around the following elements of career education: (1) appreciations and attitudes, (2) self-awareness,

(3) decision-making, (4) educational awareness, (5) career awareness, (6) economic awareness, (7) skill awareness, and (8) employability skills. Extensive in-service activities with secondary school staff will be developed and organized by the project director with an attempt to integrate the above elements in all existing curriculum areas.

CONTACT PERSON: Joe Valenta
Cedar Falls Community School District
Cedar Falls, Iowa 50613

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PROJECT TITLE: Career Exploration and Development - Curriculum

LOCATION: Central Clayton Community School District - Elkader

PROJECT DATES: July 1, 1973 - June 30, 1974

PURPOSE: This project is designed to expand existing activities and defined practices which have been started but not yet completed. This continued effort is essential to the overall development of a coordinated K-12 thrust in career development.

Progress has been made in regard to implementation of career development concepts into various curricular and grade levels. A formalized evaluation of developed materials will be undertaken this spring along with student assessment of career development activities undertaken this past school year.

These developed materials will be made available to surrounding school districts within Clayton County. An invitation to these school districts will also be extended for participation in a full in-service orientation program on career development. Two components of career development will be emphasized in this 3-5 day orientation workshop - self awareness and career awareness. Activities for this workshop will involve speaker programs, industry visitations, and discussion groups.

The budget request is only for students and activities in grades 7-12. Activities and services for students in grades K-6 will be on-going in the overall K-12 thrust in career development and the responsibility for these expenditures have been assumed by the local educational agency.

CONTACT PERSON: Robert Buckner
Central Clayton Community School District
Elkader, Iowa 52043

PROJECT TITLE: W.O.R.K. (Work Opportunities Research for Kids -- Expanded 7-12)

LOCATION: Central Clinton Community School District (DeWitt)

PROJECT DATES: August 20, 1973 - June 30, 1974

PURPOSE: This project is designed to finalize a three year effort in the development of a continuum of career development experiences for students in seven school districts (all of Clinton County excluding city of Clinton) currently involved in the Work Opportunities Research for Kids (W.O.R.K.) program. Proposed activities will expand the program vertically in grades 7-12 and will continue the development horizontally with the present emphasis in grades 8 and 9. The project provides for personnel to be working in the seven school districts for dissemination of materials, workshops and coordination of activities.

CONTACT PERSON: Robert Mundt
Central Clinton Community School District
DeWitt, Iowa 52742

* *

PROJECT TITLE: Career Placement and Follow-up Center

LOCATION: Des Moines Community School District

PROJECT DATES: July 1, 1973 - June 30, 1974

PURPOSE: This project is designed to finalize a three year planning and implementation effort of a district-wide youth employment program. The Career Placement Center has had wide acceptance by students, employers, educators, and civic leaders of Des Moines.

The following objectives of this program are four-fold in the area of employment.

(a) The "Rent-A-Kid" program provides work exposure and income to as many youth in the 14-21 age range as possible while filling the odd job demands of the Des Moines area.

(b) The regular part-time employment service for youth provides the opportunity for work to all youth that desire employment and is not in competition with the cooperative job opportunities for in-school youth.

(c) The full-time employment service is designed primarily for youth seeking a career in the world of work.

(d) Follow-up studies will be conducted to determine current on the job success of youths placed by the center. It is intended that this data will be used in curriculum planning and revision so that educational experiences will be more sensitive to the employment environment.

This district has made a financial commitment for continuance of this service beyond the 1973-74 school year.

CONTACT PERSON: Ione Baal
Des Moines Community School District
Des Moines, Iowa 50307

PROJECT TITLE: Total Career Education

LOCATION: Monticello Community School District

PROJECT DATES: March 1, 1971 - May 30, 1974

PURPOSE: To provide students with expanded knowledge and information about careers, to reduce annual dropout rates and to develop realistic student self-evaluation; to promote and guide invididual student activities which will result in the ability to properly select vocations and the course of study necessary to achieve same; to provide workshops and conferences for staff members which will allow Career Education to be articulated and integrated within all levels of the school curriculum.

CONTACT PERSON: Mr. Elmer Anderson
Monticello Community School
Monticello, Iowa 52310

* *

PROJECT TITLE: "The Northwest Project"
Career Awareness and Exploration 9-12

LOCATION: Administered by Sheldon Community Schools for twenty-two high schools in Lyon, O'Brien, Osceola and Sioux Counties

PROJECT DATES: July 1, 1973 - June 30, 1976

PURPOSE: To provide in-service workshops for teachers in all twenty-two high schools regarding use of resources, use of packets developed and implementation of Career Education in specific curriculum areas; to conduct a workshop to develop packets and guidelines in the curriculum areas of Math, Social Studies, English, Science and Industrial Arts; to develop guidelines for "hands-on", exploratory, laboratory and field experience activities; to develop resource guides of free materials, visual aids and media to become a part of each schools Career Education information center; to identify community resource persons available in Area IV and develop a guide, organized by occupational clusters, for teacher use; to develop and establish career information centers in each high school library in the four counties.

CONTACT PERSON: Mr. Ovey Vaala, Project Coordinator
319 Tenth Street
Sheldon, Iowa
(712) 324-3245
or
Mr. Jerry Peterson, Superintendent
Administering Agency
Sheldon Community Schools
Sheldon, Iowa
(712) 324-2501

PROJECT TITLE: Career Education K-12

LOCATION: Newton Community School District, Newton, Iowa

PROJECT DATES: May 1, 1973 - June 30, 1976

PURPOSE: To establish the position of Career Education Director; to plan and coordinate the development of a career emphasis in the entire curriculum K-12. This project developed as an outgrowth of the "School Without Walls" special needs project. Objectives are as follows: a summer workshop to be conducted for 18 teachers to increase career emphasis at all grade levels and in all curriculum areas; to provide a one-day in-service meeting for all staff, K-12; to provide at least two in-service seminars for staff in each elementary building; to acquaint all staff with all available community resources; to conduct two teacher-community seminars; to begin to implement career education during fiscal year 1973-74 based upon the master plan; to hold at least three Career Education Advisory meetings during the year; to assist all teachers individually or in small groups during the implementation process.

In addition the "world of construction" will be implemented at Central Junior High in eighth grade. At least seven (7) pilot projects will be developed and implemented:

a. Three at elementary level to demonstrate the self awareness and career awareness phases.

b. Two in upper elementary and junior high to demonstrate the accommodation and exploration phases.

c. Two at the senior high level demonstrating in depth career exploration.

CONTACT PERSON: Mr. Harold Berryhill, Project Director
Newton Community School District
807 South Sixth Avenue West
Newton, Iowa 50208

* *

PROJECT TITLE: Career Education in the Fort Dodge Community Schools, K-12

LOCATION: Fort Dodge Community School District

PROJECT DATES: June 1973 - June 1976

PURPOSE: To assist students, through teacher directed activities, in becoming aware of the world of work and what it means to "make a living"; to provide children with career information following valid observations; to provide guidance which will assist students in assessing jobs and school subjects in light or their capabilities and desires; to provide the opportunity for students at the junior high level to explore six major occupational clusters; to assist senior high students in making definite education and occupational plans through teacher and self-guided study.

CONTACT PERSON: Dr. Earl O. Berge
Fort Dodge Community Schools
330 First Avenue North
Fort Dodge, Iowa 50501

PROJECT TITLE: Staff Development and Implementation of Career Education Curriculum Project

LOCATION: Hayes Center
Storm Lake, Iowa

PROJECT DATES: August 23, 1972 to May 25, 1973

PURPOSE: Staff development objectives--Teachers will be able to: exhibit positive attitudes toward career development in their discipline, select sources of world of work information, discuss career development of their students, select learning experiences consistent with career development of their students, evaluate their own program of career orientation, plan a program for implementing the career education model. Curriculum implementation objectives--to develop objectives for grades K-6 which will deal with the general attitudes and learning about work roles, to create a career awareness in grades K-3, to create an awareness of self and careers in grades K-6, and to develop objectives for career exploration for grades 7-8.

CONTACT PERSON: Dr. Don Lundgren
Project Director
Hayes Center
Storm Lake, Iowa 50672

15 cooperating schools: Albert City-Truesdale Community School, Alta Community School, Crestland (Early) Community School, Early Sacred Heart School, Fonda OLGC, Marathon Consolidated School, St. John's Lutheran School, Newell-Providence Community School, Rembrandt Consolidated School, Schaller Community School, Sioux Rapids Community School, Storm Lake Community School, Storm Lake St. Mary's School, Zion Lutheran School.

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PROJECT TITLE: Pre-career Development Program (PDP) - Phase I

LOCATION: Gilbert Community Schools
Gilbert, Iowa

PROJECT DATES: July 25, 1972 to May 31, 1973

PURPOSE: To develop a more positive attitude toward self, others, school and work, to develop an increased awareness of the world of work, to develop a better understanding between education and career development, to develop an awareness of the concepts of career development, to develop activity packages for various grade levels, to develop a handbook for use by educators in the Gilbert Community Schools.

CONTACT PERSON: Wm. J. Schnelle
High School Principal and Project Director
Gilbert Community Schools
Gilbert, Iowa 50105

PROJECT TITLE: Precareer Education Project (PEP)

LOCATION: Ankeny Public Schools
Ankeny, Iowa

PROJECT DATES: July 1, 1972 - June 30, 1975

PURPOSE:
1. To orient the school staff to the necessity of diffusing career education into the general curriculum of the school
2. To change existing attitudes that success in the world of work is basically contingent on academic success
3. To develop positive student attitudes toward work by providing world of work information and exploratory experiences
4. To add a meaningful dimension to the traditional school subjects

OBJECTIVES:
1. To develop an improved self-image
2. To develop an awareness of the world of work
3. To acquire a positive perception of their classroom experiences and their teachers
4. To improve general performance on academic measures

PROJECT CHARACTERISTICS: The program will begin with a five-week summer program involving 200 students in grades one through eight and 20 teachers. It will emphasize: (1) student and teacher awareness of the world of work, (2) workers and their feelings about work, and (3) exploring the uniqueness of self.

The evaluation will include: (1) periodic examination of attendance records, use of library, the dropout rate, and the number of student behavior problems, and (2) pre- and post-testing on such variables as student self-image, his attitude toward work, his awareness of the world of work, and his general perception of classroom experiences and his teachers.

CONTACT PERSON: Dr. Bill R. Clark, Project Director
Polk County Educational Service Center
112-116 Eleventh Street
Des Moines, Iowa 50309

* *

PROJECT TITLE: Project W.O.R.K. 2, 4, 6, 8, 9 EXPANDED Work Opportunities Research for Kids

LOCATION: Central Clinton Community School District

PROJECT DATES: August 1972 - May 1973

PURPOSE: To disseminate the philosophies, ideas, and career

development learning activities which have been developed and accumulated in the carrying out of Project W.O.R.K. (Work Opportunities Research for Kids) in Central Clinton Community School District, DeWitt, Iowa, in 1971-72. The project provides for personnel to be available to six additional school districts and the Central Clinton Community School District. The possibility of expanding into more school districts in Area IX for the third year of this activity is being considered by local superintendents in Area IX. All participating schools will have their teachers involved in a two-day pre-school inservice workshop on career development. Two follow-up workshops will take place later on in the year. Ongoing activities during the school year will be coordinated by two full time staff members and one half-time employed staff member in the project. Two of these staff members have been involved in the present effort of Central Clinton Community. The commitment to and involvement in this program by the six additional school districts and the Center for Special Education in Clinton County has been made by a "signed contractual agreement" by the superintendents involved.

CONTACT PERSON: Ms. Jan Shindel
Central Clinton Community School District
924 Third Avenue East
DeWitt, Iowa 52742

* *

PROJECT TITLE: Pre-Career Exploration for High School Dropouts

LOCATION: Des Moines

LENGTH OF PROJECT: 52 weeks

OBJECTIVES: To provide students with activities in academics, art, business education, and homemaking.

To provide students with counseling related to adjustment, pursuing occupational fields and job opportunities.

To provide students with the opportunity to become employed while still pursuing an education.

To provide a liaison between home and school to upgrade communications and boost cooperative efforts.

PROJECT CHARACTERISTICS: Provides disadvantaged teenagers who have dropped out of high school a facility, apart from the regular school facility, to pursue an education to upgrade

themselves as potential employees.

Students are employed in jobs with non-profit-making agencies under the Governor's Youth Opportunity Program and NYC. Students are also employed in profit-making organizations through a work experience program.

A home-school worker provides a liaison between the home and Drop-in Center, the student and the home, and the employer and student.

CONTACT PERSON: Mr. Charles Greenwood, Director
Greater Des Moines Educational Center
1452 Second Avenue
Des Moines, Iowa 50314

* *

PROJECT TITLE: Career Awareness Re-directed Toward Elementary Education for Realistic Self-understanding

LOCATION: Linn-Mar Community Schools
Marion, Iowa

PROJECT DATES: April 1, 1972 to April 1, 1973

PURPOSE: To develop an awareness of the concept of career development in the elementary grades by observation of existing programs around the state and nation, and by having consultative personnel in for briefing sessions, define problems and determine appropriate course of action that would be advantageous for Linn-Mar, identify available community resource personnel, identify attitudes of teachers, promote self-confidence in social interaction, and self-awareness.

CONTACT PERSON: Leroy Kruskop, Superintendent
Linn-Mar Community Schools
P. O. Box 307
Marion, Iowa 52302

* *

PROJECT TITLE: Preparatory Career Education Program

LOCATION: Newton

LENGTH OF PROJECT: 40 weeks

OBJECTIVES: To provide activities designed to expose students to their immediate community government, business settings, and job opportunities.

PROJECT CHARACTERISTICS: Provides program options for all students including those who have terminated their school attendance and wish to return to school and for those students who are potential dropouts or slow learners and need an adjusted program.

Designed after the Parkway School Program in Philadelphia, Pennsylvania (a school without walls).

Units are scheduled at different times during the day, evening, and on Saturdays--representatives in different occupations address students about their area and other opportunities. Students explore occupations by being away from the school structure and being involved in community settings.

Program functions during the summer months.

CONTACT PERSON: Mr. Harold Berryhill
Newton Community School District
807 South Sixth Avenue West
Newton, Iowa 50208

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PROJECT TITLE: Career Exploration in Automotives

LOCATION: Sioux City

LENGTH OF PROJECT: 36 weeks Continuing

OBJECTIVES: To provide activities in small engine repair to increase skills and knowledge in the areas of internal combustion engines, (repairing, assembling, and disassembling), care and management of tools, safety, and first aid.

To provide activities in automotive mechanics to increase skills and knowledge in the areas of basic automotive upkeep, (grease jobs, oil change, repairing tires, etc.).

To provide activities in auto-body and fender work related to welding, painting, sanding, care of tools, and basic body repair.

PROJECT CHARACTERISTICS: Provides activities in automotive repair specifically for special education students (male - junior and senior high school).

Small engine mechanics is offered to eighth grade students, one semester, for 1½ hours per day.

Automotive mechanics is offered to ninth grade students for two semesters for 1½ hours per day.

Auto-body and fender work is offered to tenth grade students for two semesters for 1½ hours per day. Classes are structured for part instruction and part application.

CONTACT PERSON: Mr. Walter Kokjohn
Sioux City Community School District
1221 Pierce Street
Sioux City, Iowa 51105

* *

PROJECT TITLE: Carcer Exploration in Industrial Arts

LOCATION: Sioux City

LENGTH OF PROJECT: 36 weeks Continuing

OBJECTIVES: To provide activities in drafting to improve lettering ability, measurement skills, understanding of dimensions, and practical skills in drawing.

To provide activities in woodworking to improve skills in using hand tools, operating power tools, planning a project, constructing projects, and finishing.

To provide activities in electricity to increase knowledge in the areas of basic house circuits, simple home appliance repair, and safety in the home.

PROJECT CHARACTERISTICS: Provides activities in industrial arts specifically for special education students (male - junior high school).

Drafting and woodworking are offered to seventh grade students for six and thirty weeks respectively.

Electricity and woodworking are offered to eighth grade students for four and fourteen weeks respectively.

Classes are structured for part instruction and part application.

CONTACT PERSON: Mr. Walter Kokjohn
Sioux City Community School District
1221 Pierce Street
Sioux City, Iowa 51105

* *

PROJECT TITLE: Career Education - Junior High School

LOCATION: Woodside Junior High School (Saydel Consolidated School District)

PURPOSE: Career education units are taught in seventh and eighth grades in connection with the established curriculum. In ninth grade, approximately twenty-five students have a program of work exploration on the job for half of their school time and are in the school using learning packets which relate to the jobs they are doing for the remainder of their time. Another fifty students are assigned for one semester for half time exploration. During their time in school they take courses which are part of the established curriculum. In this way, we are able to provide on the job exploration for at least seventy-five students during the school year on either a half time or quarter time basis. Other students may be provided exploration experiences in areas of selected interest on a weekly basis throughout the school year.

CONTACT PERSON: Mr. Richard Wiederholt, Principal
Woodside Junior High School
5810 N. E. 14th Street
Des Moines, Iowa 50313

Mr. Wayne Davenport
Saydel Consolidated School District
5401 N. W. Second Avenue
Des Moines, Iowa 50313

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PROJECT TITLE: Career Curriculum Project

LOCATION: Wayne County

PROJECT DATES: August 1973 - July 1976

PURPOSE: To provide four school systems (Wayne Community, Seymour Community, ALC Community and Mormon Trail Community Schools) with in-service education, which will provide each of the faculties of these schools with the Career Education concept, K-12; to assist students in studying career clusters and their component job skills as well as life styles as affected by occupations; to guide students in identifying their individual interests and the relationships of these interests to the world of work; to cause the schools to provide an atmosphere which will allow the development of more positive self-concepts in terms of the student knowing more about their own talents and abilities; to provide practical experience in work situations for senior high students and exploratory experiences for junior high students in several cluster areas.

CONTACT PERSON: Mr. Ross Blount
Career Education Project Coordinator
Wayne Community School
Corydon, Iowa 50060

PART III

PREPARATORY CAREER EDUCATION OFFERINGS

State of Iowa
DEPARTMENT OF PUBLIC INSTRUCTION
Career Education Division
Grimes State Office Building
Des Moines, IA 50319

Preparatory Career Education Programs In Elementary-Secondary Schools of Iowa FY 1973-74

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Manf. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
01	Bridgewater-Fontanelle	Fontanelle				X				
01	Greenfield	Greenfield				X				
01	Orient-Macksburg	Orient				X				
02	Corning	Corning				X	X			
03	Allamakee	Waukon	X	X	X	X	X			
03	Eastern Allamakee	Lansing				X				
03	Postville	Postville				X	X			
04	Centerville	Centerville		X		X	X			
04	Moravia	Moravia				X	X			
04	Moulton-Udell	Moulton				X	X			
05	Audubon	Audubon		X	X	X	X			
05	Exira	Exira			X	X	X			
06	Belle Plaine	Belle Plaine				X	X			
06	Benton	Van Horne				X	X			
06	Vinton	Vinton		X		X	X			
07	Cedar Falls	Cedar Falls	X	X	X	X		X		
07	Dunkerton	Dunkerton					X			
07	Hudson	Hudson					X			
07	La Porte City	La Porte City				X	X			
07	Waterloo	Waterloo	X	X	X	X				
08	Boone	Boone			X	X				
08	Ogden	Ogden				X				
08	United	Boone (R. #2)				X	X			
09	Sumner	Sumner				X	X			
09	Wapsie Valley	Fairbank				X				
09	Waverly-Shell Rock	Waverly	X		X	X	X			
10	Independence	Independence				X				
10	Jesup	Jesup				X	X			
11	Albert City-Truesdale	Albert City		X	X	X	X	X	X	
11	Alta	Alta		X	X	X	X	X	X	
11	Marathon	Marathon		X	X		X	X	X	
11	Newell-Providence	Newell		X	X		X	X	X	
11	Rembrandt	Rembrandt		X	X		X	X	X	
11	Sioux Rapids	Sioux Rapids		X	X		X	X	X	
11	Storm Lake	Storm Lake				X	X	X	X	
12	Allison-Bristow	Allison				X				
12	Aplington	Aplington				X	X			
12	New Hartford	New Hartford				X				
12	Parkersburg	Parkersburg				X	X			
13	Lake City	Lake City				X	X			
13	Lohrville	Lohrville				X	X			
13	Lytton	Lytton					X			
13	Manson	Manson				X	X			
13	Pomeroy	Pomeroy					X			
13	Rockwell	Rockwell				X	X			

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
14	Carroll	Carroll	x		x	x				
14	Coon Rapids	Coon Rapids				x				
14	Glidden-Ralston	Glidden				x	x			
14	Manning	Manning				x	x			
15	Anita	Anita			x	x				
15	Atlantic	Atlantic			x	x	x			
15	Griswold	Griswold				x	x			
16	Bennett	Bennett				x	x			
16	Durant	Durant				x				
16	Lincoln	Stanwood					x			
16	Tipton	Tipton				x	x			
16	West Branch	West Branch					x			
17	Clear Lake	Clear Lake			x	x		x		
17	Mason City	Mason City	x		x			x		
17	Rockwell-Swaledale	Rockwell					x			
17	Ventura	Ventura				x	x			
18	Aurelia	Aurelia				x	x			
18	Cherokee	Cherokee			x	x				
19	Fredericksburg	Fredericksburg					x			
19	Nashua	Nashua				x	x			
19	New Hampton	New Hampton				x	x			
20	Clarke	Osceola			x	x	x			
20	Murray	Murray				x	x			
21	Clay Central	Royal					x			
21	Everly	Everly					x			
21	South Clay	Gillett Grove					x			
21	Spencer	Spencer	x	x			x			
22	Central Clayton	Elkader				x	x			
22	Garnavillo	Garnavillo				x	x			
22	Guttenberg	Guttenberg				x	x			
22	MFL	Monona				x	x			
22	Starmont	Strawberry Point				x	x			
23	Camanche	Camanche		x	x					
23	Central Clinton	De Witt				x	x			
23	Clinton	Clinton		x	x					
23	Northeast	Goose Lake					x			
24	Charter Oak-Ute	Charter Oak					x			
24	Denison	Denison				x	x			
24	Schleswig	Schleswig				x				
25	Dexfield	Redfield				x	x			
25	Perry	Perry	x	x	x			x		
25	Waukee	Waukee				x				
26	Davis Co.	Bloomfield				x	x			
27	Central Decatur	Leon					x			
27	Lamoni	Lamoni				x	x			

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
27	Mormon Trail	Humeston				x	x			
28	Edgewood-Colesburg	Edgewood					x			
28	Maquoketa Valley	Delhi					x			
28	West Delaware	Manchester			x	x	x			
29	Burlington	Burlington	x		x					
29	Mediapolis	Mediapolis				x	x			
30	Harris-Lake Park	Lake Park					x			
30	Milford	Milford					x			
30	Spirit Lake	Spirit Lake	x			x				
31	Dubuque	Dubuque	x	x	x					
31	West Dubuque	Epworth		x		x	x			
32	Armstrong	Armstrong				x	x			
32	Estherville	Estherville	x	x	x	x	x	x		
33	Fayette	Fayette	x	x	x					
33	North Fayette	West Union	x	x		x	x			
33	Oelwein	Oelwein	x	x		x	x			
33	Turkey Valley	Jackson Junction				x				
33	West Central	Maynard				x	x			
34	Charles City	Charles City	x	x	x	x	x			
34	Nora Springs-Rock Falls	Nora Springs				x				
34	Rudd-Rockford-M.Rock	Rockford					x			
35	CAL	Latimer				x	x			
35	Hampton	Hampton	x			x	x			
35	Sheffield-Chapin	Sheffield					x			
36	Farragut	Farragut	x		x	x	x			
36	Hamburg	Hamburg	x	x	x	x	x			
36	Sidney	Sidney	x	x	x	x	x			
37	East Greene	Grand Junction				x	x			
37	Jefferson	Jefferson		x	x	x	x			
37	Scranton	Scranton					x			
38	Dike	Dike				x				
38	Grundy Center	Grundy Center	x			x	x			
38	Reinbeck	Reinbeck				x	x			
38	Wellsburg	Wellsburg					x			
39	Adair-Casey	Adair					x			
39	Guthrie Center	Guthrie Center				x	x			
39	Panora-Linden	Panora				x				
39	Stuart-Menlo	Stuart				x	x			
40	South Hamilton	Jewell					x			
40	Webster City	Webster City	x	x	x	x	x	x		
41	Britt	Britt				x	x			
41	Garner-Hayfield	Garner				x	x			
41	Kanawha	Kanawha					x			

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
42	Ackley-Geneva	Ackley				x	x			
42	Alden	Alden				x	x			
42	Eldora	Eldora		x		x	x			
42	Hubbard	Hubbard				x				
42	Iowa Falls	Iowa Falls	x	x		x	x			
42	New Providence	New Providence					x			
42	Radcliffe	Radcliffe				x				
42	Union-Whitten	Union			x	x				
43	Dunlap	Dunlap				x				
43	Logan-Magnolia	Logan				x				
43	Missouri Valley	Missouri Valley	x		x	x	x			
43	Woodbine	Woodbine				x				
44	Mount Pleasant	Mount Pleasant		x		x	x			
44	New London	New London				x				
44	Winfield-Mt. Union	Winfield				x	x			
45	Howard-Winneshiek	Cresco	x			x	x			
45	Riceville	Riceville					x			
46	Humboldt	Humboldt	x	x		x	x			
47	Ida Grove	Ida Grove				x	x			
48	English Valleys	North English				x				
48	Iowa Valley	Marengo				x	x			
48	Williamsburg	Williamsburg				x	x			
49	Maquoketa	Maquoketa	x			x	x			
50	Colfax	Colfax				x				
50	Lynnville-Sully	Sully					x			
50	Mingo	Mingo					x			
50	New Monroe	Monroe				x	x			
50	Newton	Newton	x		x	x	x			
51	Fairfield	Fairfield		x	x	x	x			
52	Iowa City	Iowa City	x		x					
52	Lone Tree	Lone Tree				x	x			
52	Solon	Solon				x	x			
53	Anamosa	Anamosa				x	x			
53	Midland	Wyoming				x				
53	Monticello	Monticello		x	x	x	x			
53	Olin	Olin				x				
54	Keota	Keota				x	x			
54	Pekin	Packwood				x	x			
54	Sigourney	Sigourney				x	x			
54	Tri-County	Thornburg				x	x			
55	Algona	Algona	x		x	x	x			
55	Swea City	Swea City					x			
55	Titonka	Titonka					x			
56	Central Lee	Argyle				x	x			
56	Fort Madison	Fort Madison	x	x	x	x	x			
56	Keokuk	Keokuk	x	x	x	x				

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
57	Alburnett	Alburnett					x			
57	Cedar Rapids	Cedar Rapids	x	x	x	x				
57	Linn-Mar	Marion			x					
57	Marion	Marion				x				
57	North Linn	Coggon				x	x			
58	Columbus	Columbus Junction				x	x			
58	Wapello	Wapello				x	x			
59	Chariton	Chariton			x	x	x			
60	Central Lyon	Rock Rapids					x			
60	George	George				x				
60	West Lyon	Inwood					x			
61	Earlham	Earlha...				x	x			
61	Interstate 35	Truro					x			
61	Winterset	Winterset	x			x	x			
62	North Mahaska	New Sharon					x			
62	Oskaloosa	Oskaloosa	x	x	x	x	x	x		
63	Knoxville	Knoxville			x	x	x	x		
63	Pella	Pella					x			
63	Pleasantville	Pleasantville				x	x			
64	LDF	LeGrand					x			
64	Marshalltown	Marshalltown	x	x	x			x		
64	West Marshall	State Center				x	x			
65	Glenwood	Glenwood					x			
65	Malvern	Malvern	x	x	x	x	x			
65	Nishna Valley	Hastings	x	x	x	x	x			
65	Osage	Osage		x	x	x	x	x		
66	Saint Ansgar	Saint Ansgar				x	x			
67	East Monona	Moorehead					x			
67	Maple Valley	Mapleton					x			
67	West Monona	Onawa				x				
68	Albia	Albia				x	x			
69	Red Oak	Red Oak				x				
69	Stanton	Stanton					x			
69	Villisca	Villisca				x	x			
70	Muscatine	Muscatine	x			x	x			
70	West Liberty	West Liberty				x	x			
70	Wilton	Wilton				x	x			
71	Hartley	Hartley				x	x			
71	Paullina	Paullina				x	x			
71	Sheldon	Sheldon				x	x			
72	Sibley	Sibley				x	x			
73	Clarinda	Clarinda				x	x			
73	Shenandoah	Shenandoah	x	x	x	x	x			
73	South Page	College Springs					x			
74	Emmetsburg	Emmetsburg				x				
74	Graettinger	Graettinger				x	x			

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup	Health Occup.	Personal Service	Public Service
74	West Bend	West Bend					x			
75	Akron	Akron				x	x			
75	Kingsley-Pierson	Kingsley					x			
75	Le Mars	Le Mars			x	x	x			
76	Fonda	Fonda		x	x		x	x	x	
76	Laurens	Laurens				x	x			
76	Palmer	Palmer					x			
76	Pocahontas	Pocahontas					x			
76	Rolfe	Rolfe				x	x			
77	Ankeny	Ankeny	x			x	x			
77	Bondurant-Farrar	Bondurant				x				
77	Des Moines	Des Moines	x	x	x	x		x		
77	Saydel	Des Moines	x	x	x					
77	Southeast Polk	Runnells (R. #2)	x	x	x		x	x		
77	Urbandale	Urbandale	x	x	x					
77	West Des Moines	West Des Moines	x	x						
78	Carson-Macedonia	Carson	x	x	x	x	x			
78	Council Bluffs	Council Bluffs	x	x	x	x	x			
78	Lewis Central	Council Bluffs				x				
78	Oakland	Oakland	x	x	x	x	x			
78	Treynor	Treynor	x	x	x	x	x			
78	Walnut	Walnut					x			
79	BGM	Brooklyn				x	x			
79	Grinnell-Newburg	Grinnell					x			
79	Montezuma	Montezuma				x	x			
80	Grand Valley	Kellerton					x			
80	Mount Ayr	Mount Ayr				x	x			
81	Crestland	Early		x	x		x	x	x	
81	Odeboldt-Arthur	Odeboldt				x	x			
81	Lake View-Auburn	Lake View					x			
81	Sac	Sac City	x			x	x			
81	Schaller	Schaller		x	x		x		x	
82	Bettendorf	Bettendorf	x	x	x			x		
82	Davenport	Davenport	x	x	x	x				
82	North Scott	Eldridge					x			
83	Elk Horn-Kimballton	Elk Horn					x			
83	Harlan	Harlan	x	x	x	x	x	x		
83	Irwin	Irwin	x		x	x				
83	Shelby	Shelby					x			
84	Maurice-Orange City	Orange City					x			
84	Rock Valley	Rock Valley					x			
84	Sioux Center	Sioux Center				x	x			
84	West Sioux	Hawarden				x	x			
85	Ames	Ames	x	x	x	x				
85	Colo	Colo					x			

Co.	School Name	School Address	Distr. & Marketing Occup.	Office & Bus. Occup.	Trade & Ind. Occup.	Cons. & Hmkg. Occup.	Agribus. & Nat. Res. Occup.	Health Occup.	Personal Service	Public Service
85	Gilbert	Gilbert				x				
85	NESCO	McCallsburg					x			
85	Nevada	Nevada	x			x				
85	Roland-Story	Story City				x	x			
86	Dysart-Geneseo	Dysart					x			
86	Gladbrook	Gladbrook				x				
86	South Tama	Tama				x	x			
87	Bedford	Bedford		x		x	x			
87	Lenox	Lenox				x				
87	New Market	New Market				x	x			
88	Creston	Creston				x	x			
89	Harmony	Farmington				x	x			
89	Van Buren	Keosauqua		x		x				
90	Eddyville	Eddyville				x	x			
90	Ottumwa	Ottumwa		x	x			x		
91	Carlisle	Carlisle				x				
91	Indianola	Indianola		x	x	x	x	x		
91	Norwalk	Norwalk	x	x	x					
91	Southeast Warren	Liberty Center					x			
92	Mid-Prairie	Wellman					x			
92	Washington	Washington	x			x	x			
93	Seymour	Seymour				x	x			
93	Wayne	Corydon				x	x			
94	Fort Dodge	Fort Dodge	x	x	x	x				
94	Prairie	Gowrie				x	x			
95	Buffalo Center	Buffalo Center				x	x			
95	Forest City	Forest City					x			
95	Lake Mills	Lake Mills				x	x			
95	Thompson	Thompson				x	x			
96	Decorah	Decorah	x	x			x			
96	North Winneshiek	Decorah (R. #3)				x	x			
96	South Winneshiek	Calmar				x	x			
97	Eastwood	Correctionville					x			
97	Lawton-Bronson	Lawton				x				
97	Sioux City	Sioux City	x	x	x	x				
97	Westwood	Sloan					x			
98	Northwood-Kensett	Northwood				x	x			
99	Belmond	Belmond				x	x			
99	Clarion	Clarion					x			
99	Dows	Dows				x	x			
99	Eagle Grove	Eagle Grove				x	x			

PART IV
JOINTLY ADMINISTERED
CAREER EDUCATION PROGRAMS
OF EXPLORATION AND/OR PREPARATION

Jointly Administered Career Education
PROGRAMS OF EXPLORATION AND/OR PREPARATION

AREA III

Iowa Lakes Community College, Estherville, Ia.
Algona
Sentral
Swea City
West Bend
Corwith Wesley
Lu Verne
Twin Rivers

AREA IV

Northwest Iowa Community College, Sheldon, Ia.
Central Lyon
George
Little Rock
West Lyon
Hartley
Paullina
Primghar
Sanborn
Sheldon
Sutherland
Melvin
Ocheyedan
Sibley
Boyden-Hull
Floyd Valley
Maurice-Orange City
Rock Valley
Sioux Center
West Sioux
Hull Western Christian
Orange City Unity Christian
Spalding

AREA V

Iowa Central Community College, Fort Dodge, Ia.
Albert City
Alta
Crestland (Early)
Fonda
Marathon
Newell
Rembrandt
Schaller
Sioux Rapids
Storm Lake
Boone Valley
Gilmore City - Bradgate
Goldfield
Havelock-Plover
Humboldt
Laurens
Manson
Northwest Webster
Palmer
Pocahontas
Rolfe
Twin Rivers
Eagle Grove
Pomeroy

AREA XIII

Iowa Western Community College, Council Bluffs, Ia.

Tri-Center	Atlantic
Treynor	Anita
Oakland	Exira
Council Bluffs (St. Albert's)	Shenandoah
Missouri Valley (St. Albert's)	Malvern
Avoha	Nishna Valley
Harlan	Farragut
Irwin	Hamburg
Audubon	Sidney
Griswold	Carson-Macedonia
	Council Bluffs

AREA X

Kirkwood Community College, Cedar Rapids, Ia.
Various High School Districts Served

AREA VII

Hawkeye Technical Institute of Technology, Waterloo, Ia.
Various High School Districts Served

AREA XVI

Southeastern Community College, W. Burlington, Ia.
Various High School Districts Served